digital careers

CSIRO

MY CAREER MATCH

in collaboration with CSIRO Digital Careers

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Driver Analyser
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Why Choose a Digital Career

Technology lies at the heart of every industry, from healthcare and finance to transport and education. Technology skills are highly valued. A career in this dynamic field means you'll enjoy endless variety, strong demand and constant professional growth. In a crowded graduate market, having technology qualification will make you more employable.

Jobs in STEM (Science, Technology, Engineering and Maths) are growing twice as fast when compared to other jobs, and technology remains one of the highest paid industries with salaries for technology roles higher than most competing sectors.

You may not necessarily be a specialist in tech subjects but everyone will need a solid understanding of how certain technologies and technical skills fit into your chosen career. In fact, the very idea that technical skills are unrelated to other knowledge is outdated.

You should do everything to become tech-savvy for whatever career you choose.

Planning on University

If you're going to university you can take a degree in one of the technology specialist areas. This is perfect if you have selected a technology field and make that your core competency and the one you build your future career and employment around.

Those not selecting technology as their core degree should consider a double degree. By adding a technology degree, you establish yourself in two fields and doubles your career opportunity. For example,

Law: After completing this double degree, you'll have what it takes to thrive as an IT professional who specialises in legal information systems and security. Because technology skills are now essential for lawyers, this course will also give you a significant edge if you pursue a legal career.

Arts: The rapid growth of the IT industry calls for people who deeply understand the social and human factors that are shaping it. By studying arts, you'll develop the expertise needed to influence and manage emerging technologies.

Going to a Vocational College (VET)

To work in the technology sector, it's not necessary to have a university degree. There are many careers where a Certificate or Diploma will get you a great job.

You can get a technology qualification at TAFE, or private colleges and institutes who offer vocational courses.

For instance, Digital Marketing Colleges who explore digital marketing tactics and strategies in greater depth are where you can earn your qualifications in a growing technology sector.

VET courses are practical, hands-on programs, which will have you job-ready or provide a pathway to further undergraduate study.

You could find yourself achieving success in your career anywhere in the world. An Australian qualification in technology is recognised and accepted by international employers such as IBM, Intel, Microsoft, Google, and Samsung.
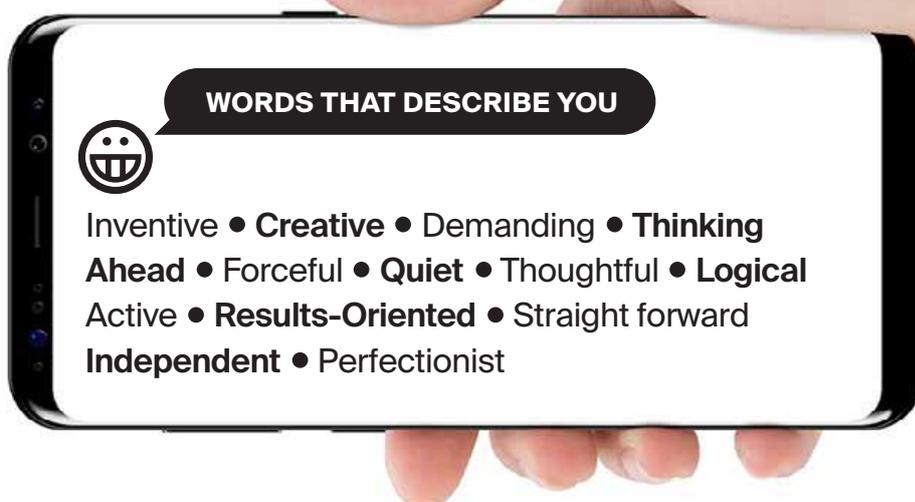
About your digital careers report

Based on the answers you gave we discover your personal strengths and what you are good at. We match you to SIX digital career sectors that require these skills. In each career sector we define technology occupations we suggest you consider.

WOW :)

Your Personality Style Is:

① **DRIVER** ANALYSER

Driver Analysers are determined people who have great confidence. They are not easily side-tracked, and they can't be pushed into doing something they don't want to do. This can make you seem stubborn. You say exactly what you think, and sometimes this upsets people, but you don't really care.

You are a straight forward person and, once you set your mind on something, you just go after it. And you stick with it until you become an expert. You are great at solving problems because you carefully consider your options. You feel that you can take care of things all on your own if you have to, and you are confident when making decisions. You have no problem taking charge, and you are not afraid to tackle new situations. You are willing to take risks and give something new a try but you always consider alternatives first. You love a challenge, and you expect to be the winner. You don't get too emotional; you prefer to deal with facts and numbers than with people. You are a creative thinker and something of an inventor and entrepreneur. Your talent to think things through helps drive your adventurous spirit :)

WORDS THAT DESCRIBE YOU

Inventive ● **Creative** ● Demanding ● **Thinking Ahead** ● Forceful ● **Quiet** ● Thoughtful ● **Logical** Active ● **Results-Oriented** ● Straight forward **Independent** ● Perfectionist
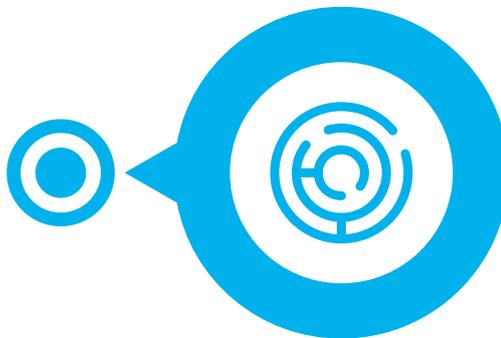
Your Personal Strengths ...

Setting High Standards

Your natural instincts to win mean that you set high standards for yourself and others. You make a difference by encouraging others to be the best they can be and not to expect anything less than success. You respect loyalty and hard work.

Solving Problems

You are a natural and gifted problem solver. You make a difference by being able to get to the core of a problem and provide solutions that work. You see the problem as a challenge rather than a setback, and this gives you the clarity to see through it.

Being A Creative Thinker

You make a difference by being a visionary, a "future oriented" person who doesn't look back. You are good at developing plans, schemes and concepts, sometimes the bigger the better. Nothing is impossible. You use a logical approach to design and innovation.

Seeing The Big Picture

You prefer to work with the big picture, the big idea, rather than get into details. You make a difference by your sensible approach to see how things connect. You see how everything relates and where problems may arise. This is what makes a great entrepreneur!

And Soft Skills

Taking Charge

Your leadership skills compel you to take charge and be in control. You make a difference when it's needed to solve a problem because you are willing to back yourself. Your self-confidence and leadership qualities encourage others to follow and support you.

Respecting Rules

You respect authority and are willing to use your authority with a sense of fairness. You understand that rules are meant to be followed because they create order and a method by which things get done. You make a difference by sticking to procedures and systems
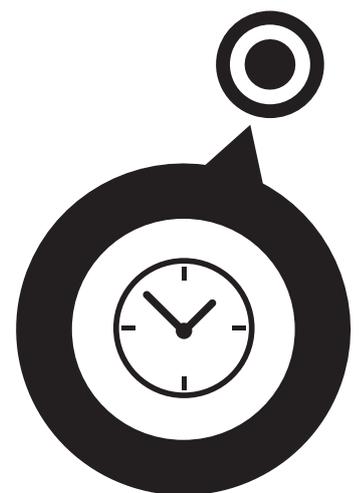
Accepting Challenges

You enjoy a challenge that uses your ability to think outside the box, be innovative and take action. You make a difference by encouraging others to get on with it, take calculated risks and challenge themselves.
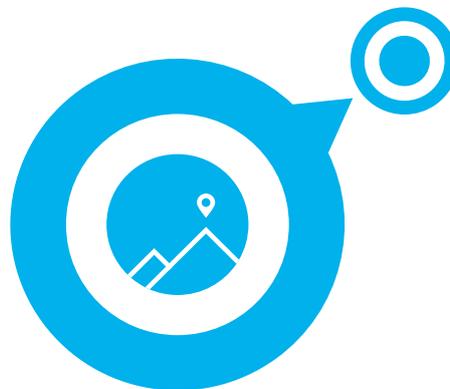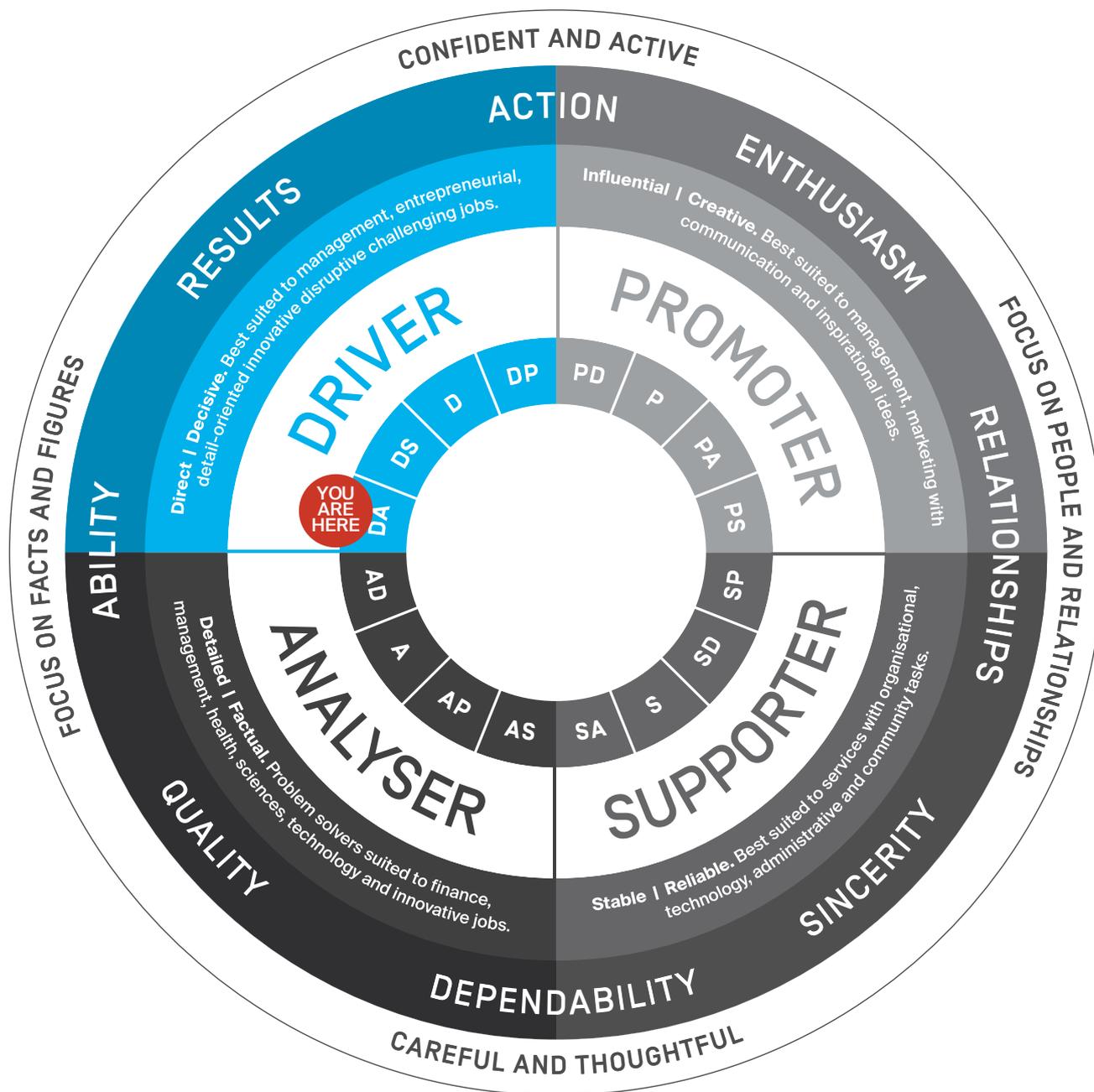
Meeting Deadlines

You are realistic and strive for results such as getting things done on time, or saving money or figuring out how to be more productive. You want to see tasks completed efficiently. You make a difference by ensuring that things are done correctly and deadlines are met.

Your Personality Map

CONFIDENT AND ACTIVE

ACTION

ENTHUSIASM

RESULTS

Direct | Decisive. Best suited to management, entrepreneurial, detail-oriented innovative disruptive challenging jobs.

Influential | Creative. Best suited to management, marketing with communication and inspirational ideas.

DRIVER

PROMOTER

FOCUS ON FACTS AND FIGURES

ABILITY

FOCUS ON PEOPLE AND RELATIONSHIPS

RELATIONSHIPS

DP · D · DS · DA | PD · P · PA · PS

YOU ARE HERE

AD · A · AP · AS | SP · SD · S · SA

ANALYSER

SUPPORTER

Detailed | Factual. Problem solvers suited to finance, management, health, sciences, technology and innovative jobs.

Stable | Reliable. Best suited to services with organisational, technology, administrative and community tasks.

QUALITY

SINCERITY

DEPENDABILITY

CAREFUL AND THOUGHTFUL

How To Interpret Your Personality Map

The Map is divided into the four MyCareerMatch styles, DRIVER | PROMOTER | SUPPORTER | ANALYSER and combinations of each style (DA, DP, DS etc.). Your style is shown as 'YOU ARE HERE'. The outer circle represents what you focus on and how you approach life. Drivers and Analysers focus on facts and figures, Promoters and Supporters focus on people and relationships. The middle circle represents what's important to you - for Drivers it's results for Promoters it's enthusiasm for Supporters it's sincerity and for Analysers, quality.

Choose A Career That Matches Your Personality

There is significant research on the connection between personality and career success.

Once you understand what your strengths and talents are you have the confidence to make the right career choices.

The more you connect with your job, the more passionate you become and the greater personal reward, purpose and career satisfaction you achieve.

6

Digital Careers Sectors To Explore

Business Systems & Analytics

The Business Analytics and Information Systems person provides the skills and knowledge necessary for business and data analytics, information systems development and support positions in both business and non-business organizations.

Business systems analysts review computers and computer programs used by a company and advise stakeholders on ways to make processes more efficient and employees more productive.

LEARN MORE

Discover Jobs In Business Systems & Analytics

Application Architect

In the world of technology, an Application Architect plays an important role in the design and analysis of software projects. They create new applications or improve existing applications, run software tests, develop product prototypes and create technical documents and manuals relating to application development.

Business Analyst

Business analysts (BAs) are responsible for bridging the gap between IT and the business using data analytics to assess processes, determine requirements and deliver data-driven recommendations and reports to executives and stakeholders.

Business Intelligence Analyst

Business intelligence (BI) analysts use data to figure out market and business trends for companies to increase profits and efficiency. They able to look at large chunks of data and understand trends, and then communicate those trends to the company.

Visualisation Engineer

Data Visualisation Engineer role is responsible for design, visual, modelling, architecture, java, training, integration, database, security,analysis. Data visualisation refers to techniques used to communicate insights from data through visual representation. Its main goal is to distil large datasets into visual graphics to allow for easy understanding of complex relationships within the data.

Change Manager

Change management is a systematic approach to dealing with the transition or transformation of an organization's goals, processes or technologies. The purpose of change management is to implement strategies for effecting change, controlling change and helping people to adapt to change.

Business Process Modeller

Business process modelling (BPM) is a practice that helps organizations understand how their strategy relates to their IT systems and system development. It helps many companies to document the business processes that they have and are able to quickly analyse their workflow.

Testing Manager

The role of the software test manager is to lead the testing team. The Test Manager takes full responsibility for the project's success. The role involves quality and test advocacy, resource planning & management, and resolution of issues that impede the testing effort.

Solutions Architect

A solution architect, in information technology, is a practitioner of solution architecture. Designing a solution requires understanding how different parts of the business work together. But the architect must also understand tech specifics. As a result, solution architects constantly deal with analytical work.

FIND A COURSE
IN BUSINESS SYSTEMS & ANALYTICS

UNIVERSITY   **VOCATIONAL**

Cybersecurity

Cyber-security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks such as Denial-of-service (DoS) and distributed denial-of-service (DDoS) attacks, Man-in-the-middle (MitM) attack and Phishing and spear phishing attacks. It's also known as information technology security or electronic information security.

LEARN MORE

Discover Jobs In Cybersecurity

Application Security Engineer

An application security engineer is responsible for ensuring the secure function of software application programs. For this career, you must have advanced training in cybersecurity and familiarity with multiple computer programming languages.

Cybersecurity Engineer

Security engineers are responsible for testing and screening security software and for monitoring networks and systems for security breaches or intrusions, installing and using software, such as firewalls and data encryption programs. assisting with installation or processing of new security products and procedures.

Security Code Auditor

A Secure Code Auditor is responsible for reviewing source code to discover if there are any potential security weaknesses, bugs, exploits or violations of programming standards. They can help to prevent cyber threats by exposing any weaknesses that are found in an organisation's computer source code.

Cybersecurity Analyst

Cybersecurity analysts are primarily responsible for the digital security of a company, organization or government agency. Typically, they evaluate, plan and implement the security systems that protect an organization's IT infrastructure and data; this includes the safeguarding of digital assets by responding to incidents like viruses and breaches.

Forensics Expert

A Computer Forensics Investigator or Forensic Analyst is a specially trained professional who works with law enforcement agencies, as well as private firms, to retrieve information from computers and other types of data storage devices.

Cybersecurity Manager

Cybersecurity managers are responsible for knowing where a network's possible vulnerabilities lie. Typical job duties include establishing network security policies and procedures, regulating access to information and training staff on proper use of information systems.

Security Software Developer

A security software developer is someone who develops security software as well as integrates security into software during the course of design and development to protect software against malicious attack and other hacker risks so that the software continues to function correctly under such potential risks.

Incident Responder

Incident Responder's investigate computer related crimes within an organization. They discover the problem, mitigate the damages, and thoroughly investigate the situation. A wide range of computer forensic tools are used to perform the functions of the job and experience in computer investigations or general computer forensics is often necessary to prepare for a career as an Incident Responder.

FIND A COURSE IN CYBERSECURITY

UNIVERSITY   **VOCATIONAL**

Data Analyst

These professionals develop insight and gain information through the collection, analysis and interpretation of data. They work for businesses and other types of organizations, identifying and helping to solve problems. As a data analyst, you'll use programming and computer software skills to complete statistical analysis of data.

If you want to start a career as a data analyst, learn some programming languages and get a bachelor's degree in Information Technology and Data Analysis.

LEARN MORE

Discover Jobs In Data Analyst

Business Intelligence Analyst

Business intelligence analysts gather this data through a number of ways, from mining a company's computer data through software, looking at competitor data and industry trends to help develop a picture of where the company stands in the industry, where they can improve and where they can reduce costs.

Business Intelligence Architect

A business intelligence architect (BI architect) is a top-level sort of business intelligence analyst who deals with specific aspects of business intelligence, a discipline that uses data in certain ways and builds specific architectures to benefit a business or organization.

Big Data Programmer

Big Data is a phrase used to mean a massive volume of both structured and unstructured data that is so large it is difficult to process using traditional database and software techniques. In most enterprise scenarios the volume of data is too big or it moves too fast or it exceeds current processing capacity.

Data Analyst

A data analyst is someone who scrutinises information using data analysis tools. The meaningful results they pull from the raw data help their employers or clients make important decisions by identifying various facts and trends. Typical duties include: using advanced computerised models to extract the data needed.

Data Engineer

Data engineers are typically software engineers by trade. Instead of data analysis, data engineers are responsible for compiling and installing database systems, writing complex queries, scaling to multiple machines, and putting disaster recovery systems into place.

Data Scientist

A data scientist is someone who knows how to extract meaning from and interpret data, which requires both tools and methods from statistics and machine learning, as well as being human. They spend a lot of time in the process of collecting, cleaning, and munging data, because data is never clean.

Tableau Analyst

Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry. It helps in simplifying raw data into the very easily understandable format. Data analysis is very fast with Tableau and the visualizations created are in the form of dashboards and worksheets.

Behaviour Prediction Analyst

Behavioural analysis focuses on understanding how consumers act and why, enabling accurate predictions about how they are likely to act in the future. Behavioural analysis allows future actions and trends to be predicted based on the collection of such data.

FIND A COURSE
IN DATA ANALYST

UNIVERSITY   **VOCATIONAL**

Education

Educational technologists work helping tie computer or web-based technology to learning. There is high demand for instructional technologists who can "teach" teachers how to integrate technology into the classroom.

They may purchase, install, implement and troubleshoot all factors that affect the integration of technology. Those who work as instructional coordinators may plan and provide on-site education for teachers and administrators. Instructional coordinators mentor new teachers and train experienced ones in the latest instructional methods.

LEARN MORE

Discover Jobs In Education

Educational Software Programmer

Programmers develop software used from preschool to university, as well as at-home educational software designed to enhance or improve specific academic skills, like reading and mathematics. Educational software spans a wide range of styles and topics, from reading games for toddlers to step-by-step coding courses for middle schoolers.

Virtual Reality Designer

One of the biggest issue's teachers face is that of student engagement. When home technologies such as mobile phones, tablets and game consoles are highly advanced and very popular with young children, educators are looking to designers to create educational engagement with technology using virtual, augmented and mixed reality technology.

Online Learning Specialist

Present-day pupils learn a lot outside their classrooms as well. eLearning has become a hot topic in education technology news because of its constant popularity. eLearning provides information on every possible subject and employ the latest advances in user experience and are easy for everyone to use.

Media Specialist

Media specialists don't just work in schools, they are frequently found in libraries, database warehouses, and other collections of media that provide education to not only students but the larger community. Media specialists maintain collections based on demand and community need, provide instruction on information, and make recommendations to learners based on learning styles.

Training Material Designer

Training materials designers work to create effective and easy-to-use technological training programs for corporations and education providers. Training materials designers combine an educational background and thorough knowledge of learning styles and tools with solid user interface knowledge to create training programs for a wide variety of platforms.

Educational Technologist

Blending skills and knowledge of educational methods, technological processes and tools, educational technologists develop, test, and implement a variety of tech-based learning tools in schools and classrooms. They train teachers in the use of tech tools and how to incorporate them to best advantage in their everyday lesson plans.

Course Designer

Course designers incorporate user interface and user experience design with educational knowledge to create topic-specific courses on technological platforms. A fantastic option for techies with a passion for visual design and solid UI experience. Course designers often work for educational software and game companies.

Learning Lab Coordinator

Online Learning Labs are virtual machine environments that are for specific courses. The Online Learning Labs will allow students to use their personal devices to access specific software for their courses, instead of having to use university computers.

FIND A COURSE IN EDUCATION **UNIVERSITY** **VOCATIONAL**

Sam Simpson
Driver Analyser

Healthcare

Healthcare is an industry that is currently being transformed using the latest technology, so it can meet the challenges it is facing in the 21st century. Technology can help healthcare organizations meet growing demand and efficiently operate to deliver better patient care.

Digital information is the bedrock of high-quality healthcare. The benefits for patients are significant and compelling: hospital admissions avoided, fewer adverse drug events, reduced duplication of tests, better coordination of care for people with chronic and complex conditions, and better-informed treatment decisions. CSIRO are developing a range of digital health innovations in collaboration with health industry and government partners.

LEARN MORE **...AND MORE!**

Discover Jobs In Healthcare

Medical Coder

Medical coding is the transformation of healthcare diagnosis, procedures, medical services, and equipment into universal medical alphanumeric codes. The diagnoses and procedure codes are taken from medical record documentation, such as transcription of physician's notes, laboratory and radiologic results, etc.

Deep Learning Expert

Deep learning is assisting medical professionals and researchers to discover the hidden opportunities in data and to serve the healthcare industry better. Deep learning in healthcare provides doctors the analysis of any disease accurately and helps them treat them better, thus resulting in better medical decisions.

Artificial Intelligence Specialist

As the world population continues to grow, and age, artificial intelligence, and machine learning offer new and better ways to identify disease, diagnose conditions, crowdsource and develop treatment plans, monitor health epidemics, create efficiencies in medical research and clinical trials, and make operations more efficient to handle the increased demands on the healthcare system.

3D Printing Technician

3D printers are used to manufacture a variety of medical devices, including those with complex geometry or features that match a patient's unique anatomy. 3D printing is used to replicate patient-specific organs that are used for practice to prep before the actual complicated operations take place. The application is by far much better and accurate than only looking at X-rays, CT scans, and MRIs.

Heath Informatics Specialist

Health informatics is the practice of acquiring, studying and managing health data and applying medical concepts in conjunction with health information technology systems to help clinicians provide better healthcare, analysing data to help facilitate decisions and actions and develop data-driven solutions to improve patient health.

Synthetic Organ Designer

An artificial organ is an engineered device that can be implanted or integrated into a human body interfacing with living tissue to replace a natural organ, to duplicate or augment a specific function or functions so the. patient may return to a normal life as soon as possible.

Surgical Robot Engineer

Robotic surgery, or robot-assisted surgery, allows doctors to perform many types of complex procedures with more precision, flexibility and control than is possible with conventional techniques. Robotic surgery is usually associated with minimally invasive surgery such as procedures performed through tiny incisions.

Remote Healthcare Specialist

Remote patient monitoring (RPM) is a technology to enable monitoring of patients outside of conventional clinical settings, such as in the home or in a remote area, which may increase access to care and decrease healthcare delivery costs. It allows patients to use mobile medical devices and technology to gather patient-generated health data (PGHD) and send it to healthcare professionals.

FIND A COURSE IN HEALTHCARE **UNIVERSITY** **VOCATIONAL**

Robotics

The robotics field is one of the most exciting in digital careers and among the fastest growing industries in the world.

Companies and industries are ramping up spending to keep their technology at the leading-edge. As a result, people with advanced, practical robotics experience are in extremely high demand in the labour market. That makes it a great time to pursue a career in robotics.

LEARN MORE

Discover Jobs In Robotics

Aerospace Engineer

Aerospace engineering is the primary field of engineering concerned with the development of aircraft and spacecraft. It has two major and overlapping branches: aeronautical engineering and astronautical engineering.

Medical Robotics

A medical robot is a robot used in the medical sciences. They include surgical robots. These are in most telemanipulators, which use the surgeon's activators on one side to control the "effector" on the other side.

Ocean Robotics

More formally known as autonomous underwater vehicles, or AUVs— are improving our understanding of how the world's ocean works and expanding our ability to conduct science at sea even under the most hostile conditions.

Robotics Engineer

Is a behind-the-scenes designer, who is responsible for creating robots and robotic systems that are able to perform duties that humans are either unable or prefer not to complete.

Robotics System Engineer

Use computer-aided design and drafting (CADD) and computer-aided manufacturing (CAM) systems to perform their tasks. Robotics research engineers design robotic systems and research methods to manufacture them economically.

Sales Engineer

Specialize in technologically and scientifically advanced products. They use their technical skills to explain the benefits of their products or services to potential customers and to show how their products are better than their competitors' products.

Software Developer

Develops software for robot control and automation. They build new software or test, improve, or debug current software. Most robotics software engineers work for the manufacturing industry and focus on robots that companies use in product production.

Space Robotics

Is the development of general purpose machines that are capable of surviving the rigors of the space environment and performing exploration, assembly, construction, servicing or other tasks.

**FIND A COURSE
IN ROBOTICS**

UNIVERSITY   **VOCATIONAL**

digital careers

Engaging Young Minds For Australia's Digital Future.

CSIRO Digital Careers supports teachers and encourages students' understanding of digital technologies and the foundational skills they require in an ever-changing workforce.

Growing demand for digital skills isn't just limited to the ICT sector. All jobs of the future will require them, from marketing and multimedia through to agriculture, finance and health.

Digital Careers prepares students with the knowledge and skills they need to thrive in the workforce of tomorrow.

EXPLORE digitalcareers.csiro.au