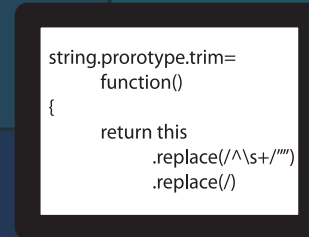


Software Engineering

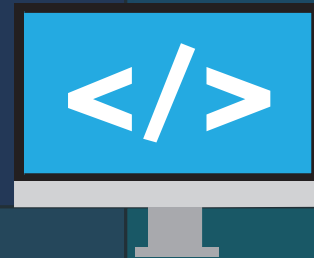


Game Development



Careers in ICT

By Daniel Pallesen Y10 DIT



Web Development

Support 

ICT Support

References

<http://www.futureintech.org.nz/careers.cfm?categoryid=176&type=jobroles>

<https://www.careers.govt.nz/>

<https://i.ytimg.com/vi/37aDHK84bG0/maxresdefault.jpg>

Software Engineer

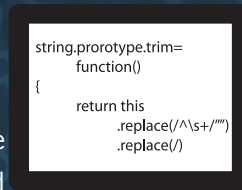
Software Engineering is about the development and maintenance of software systems. A software engineer might design, write and test computer programs, and often is involved in a project from original idea to final product.

Recommended school subjects are Maths, English, Physics and Digital technologies.

Key qualifications for this job include:

- Bachelor of Science in Computer Science
- Bachelor of Computing and Mathematical Sciences
- Bachelor of Engineering in Software Engineering
- Bachelor of Information Technology

From this job you could potentially earn between \$40-55,000 starting salary and \$60-80,000 with three to six years' experience



Web Developer

Being a web developer involves Developing software that helps doctors and hospitals to manage data and allocate work to different specialists Writing the code that runs on networking devices such as routers and switches Developing software that produces 3D graphics for sports events Building custom software for business clients Creating mobile applications Writing software for aircraft simulators

Recommended school subjects for this job are:

Maths, especially Calculus and Algebra, Digital Technologies, English, Physics

Key qualifications for this job include:

- Bachelor of Science in Computer Science
- Bachelor of Computing and Mathematical Sciences
- Bachelor of Engineering in Software Engineering
- Bachelor of Information Technology

From this job you can earn between \$40-55,000 starting salary and \$60-80,000 with three to six years' experience



Game Developer



Game developers design, code and test computer games based on their own or others' ideas. Games may be developed for a range of platforms including mobile phones, social media or game consoles

Recommended School subjects are Digital Technologies

Maths, especially Algebra and Geometry, Physics, Design and Visual Communications and English.

Key tertiary qualifications for game developers:

- Bachelor of Science in Computer Science, with Computer Graphics and Game Design subjects,
- Bachelor of Engineering in Software Engineering
- Diploma or degree in Multimedia Development, Game Programming or 3D Animation.

The average salary for a game developer last year was \$83,060

ICT Support professional



ICT support professionals help other people, colleagues, clients and customers, use computer software and hardware, and may be involved in making sure networks and websites are working well.

They generally work in teams with other IT professionals, such as systems engineers, network analysts, and web and database administrators, and often move into those roles with more experience and on-the-job training. Recommended school subjects are:

Digital Technologies, English, Maths.

As an ICT support professional you might be involved in Setting up new computers, installing software and granting access to the network, Helping people to use mobile computing devices and sync, them with their desktop computer, Trouble shooting computer problems, Routine network and security tasks, such as backing up, servers and maintaining activity logs, providing support to customers using your company's software products.

ICT support professionals generally earn \$30 - 60,000 depending on the role and their qualifications and experience