YOU CREATE THE FUTURE OF TECHNOLOGY.

"Programming is not about typing, it's about thinking."

"A good programmer looks both ways before crossing a one-way street."

"All of my friends who have younger siblings who are going to college or high school - my number one piece of advice is: You should learn how to program."

- Mark Zuckerberg

YOUR CAREER PATH

Bachelor of Software Engineering

Delivered by Yoobee College of Creative Innovation

Duration: 3 years

NZQA: Level 7

Credits: 360

We offer a transdisciplinary programme bringing computer science, programming, art and design, social science and business knowledge together with project work so our students have the knowledge and skills to make a difference in a real-world team.

We have even partnered with the industry to form **Tech Scholarship Partnerships** for our Bachelor of Software Engineering Degree.

Graduate roles

Graduates of this qualification will have the skills and knowledge to establish a career as

- » Creative Consultant
- » UX/UI Designer
- » Interaction Designer
- » Unity Developer
- » Unreal Engine Developer
- » Virtual World Architect
- » Software Developer
- » Website Developer
- » Android Application Developer
- » Apple Application Developer
- » Virtual Reality Developer
- » Augmented Reality Developer
- » Mobile Game Developer
- » Full stack Developer

Senior roles

Once a software developer has learnt the required fundamental skills, they may progress to become senior programmers, software architects, or chief information officers.

A number of specific occupations for software developers appear on Immigration New Zealand's long-term skill shortage list, including:

- · Multimedia specialist
- · Web developer
- · Analyst programmer
- · Software engineer
- · Software tester
- · Other software and applications programmers
- · ICT systems test engineer

The long-term skill shortage list always applies for all regions. If a job is on the list, it means the government is actively encouraging skilled people in these jobs from overseas to work in New Zealand. A full list is available on **skillshortages.immigration.govt.nz**

To find out more about Software Engineering in New Zealand, please visit **careers.govt.nz/jobs-database/it-and-telecommunications/information-technology/software-developer**
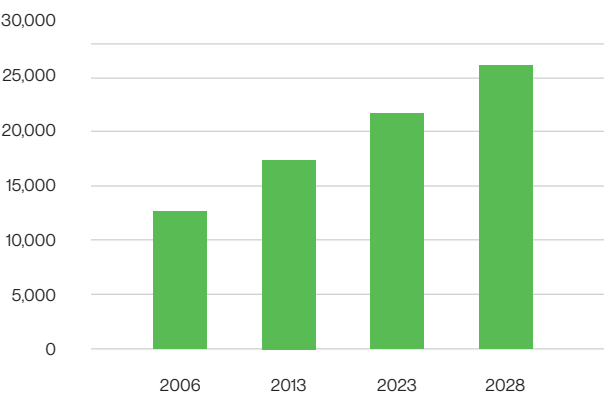
Employability

Pay for software developers varies depending on skills, experience and where you work, with pay in Auckland being higher.

» Junior software developers usually earn

$50,000 to $80,000 a year

» Intermediate software developers usually earn

$80,000 to $130,000

» Senior software developers can earn

$110,000 to $180,000

» Team leaders and managers can earn

$120,000 to $200,000

Sources: Recruit I.T., 'Technology and Digital Salary Update Auckland', July 2021; and Recruit I.T., 'Technology and Digital Salary Update Wellington', July 2021, Ministry of Business, Innovation & Employment

Employment Chart

There has been a strong growth in the number of software developers employed in recent years, resulting in almost a doubling of employment from 2006 to 2013. There is also strong projected employment growth of around 4.4% per year from 2018-23 and 2.4% per year out to 2028.

TECHNOLOGY INDUSTRY PARTNERS

GUARANTEED WORK EXPERIENCE

At Yoobee we are proud to be the only New Zealand institution to offer 8-10 week virtual internships and externships with a range of international companies like Meta, Snapchat, Hewlett Packard and Beats so you can get tech industry experience while you're still studying.

PARTNERING WITH IBM

IBM will deliver the artificial intelligence and cybersecurity elective courses, equipping students with in-demand skills spanning Information Technology, Gaming, and App Development. IBM's networks and open-source technology mean our students get learning experiences that integrate a balance of theory, hands-on labs and industry case studies that reflect real-world challenges.

YOOBEE COLLEGE OF CREATIVE INNOVATION

1
We're an
NZQA Category 1 Provider

30+
We've been in the business for more than 30 years

86%
Percentage of students who go on to further study or gain employment

1,800
The number of students we successfully train each year

"Yoobee's hands-on teaching is a great match with my learning style. Tech and Design have always been interests of mine so I wanted to study at a place where I could hone my skills in both areas, and Yoobee was just that. The constant support from everyone on campus. The staff and tutors are always friendly and happy to help. This, and getting along with my peers, creates a lovely atmosphere that I look forward to. Yoobee has taught me how to manage my time and use it wisely. Pacing myself and spreading out my workload across the time given has helped me prevent a lot of unnecessary stress when completing my work."

JANELLE LIM-RANOLA

– BACHELOR OF SOFTWARE ENGINEERING

Overview
Bachelor of Software Engineering

Why study Software Engineering?

Traditional computer science degrees focus on software engineering, programming and mathematics. But Cloud Computing, Artificial Intelligence, Cyber Security, Game Development and Web and App Development are some of the biggest industries worldwide today, which is why these are the focus of our degree.

We offer a transdisciplinary programme bringing computer science, programming, art and design, social science and business knowledge together with project work so our students have the knowledge and skills to make a difference in a real-world team.

- 8-10 weeks virtual work experiences and externships with a range of international companies like:

- Multi-disciplinary - You will learn computer science, programming, art and design, social science, and business knowledge.

- Project-Based - The programme is heavily focused on project-based learning so you graduate with real-world skills.

Over 50% of course time is dedicated to tutor-led programming, with an additional 15% orientated around group projects.

Commercially-relevant projects are developed in a studio-like environment and, with a focus on innovation and entrepreneurship, you'll finish your degree ready to carve your own path in a computational job within the creative, business or science sector.

What you'll learn

You'll learn to think critically while you work on commercially relevant projects in a studio-like environment. Our passionate tutors and industry mentors will support you and upskill you in everything you need to know—from concept development to app design, to game art, to UX.

Year 1

Your first year of study is all about gaining a solid foundation in software engineering and learning core skills in a range of essential areas. You will achieve this through practical collaborative project work involving design principles, algorithms and object oriented programming. This foundational year equips you with a wide range of skills and affords you time to figure out what type of career you'd like to have by choosing a specialist topic.

Year 2

This is the year you really get to follow your passions and specialise in the areas that are of most interest to you. The specialist topics we offer are: Artificial Intelligence, Cloud Computing, Cyber Sercurity and Game Development (Creative).

Year 3

This is an opportunity to reflect on research and development practices and strategies in a process of double-loop learning. You'll develop a commercially or socially viable capstone project and apply the skills and expertise you developed throughout the programme as part of an integrated production team.

Year One	Year Two	Year Three
• UX design principles 1 - 15 credits • Development principles 1 - 15 credits • Integrated Studio 1 - 30 credits • UX design principles 2 - 15 credits • Development principles 2 - 15 credits • Integrated Studio 2 - 30 credits	• Elective A & B choose one from four specialist topics: Artificial Intelligence, Cloud Computing, Cyber Sercurity and Game Development (Creative) - 30 credits • Investigations - 15 credits • Investigative Studio 1 - 30 credits • Integrated Studio 3 - 45 credits	• Investigative Studio 2 - 60 credits • Capstone project/internship - 60 credits

Programme Information

Qualification	Bachelor of Software Engineering
Delivery mode	On Campus (1st year online available)
Tuition fee	$21,500 NZD/year
Resource fee	$2,500 NZD/year
Administration fee	$400 NZD
Duration	3 years
2023 Scholarship	Up to 15% of the tuition fee for 1st year, and Up to 20% discounts for 2nd and 3rd year
2023 Intakes	27 February 24 July
Campus	City Road, Auckland Bunny St, Wellington Colombo St, Christchurch

Note: campus availability might be subject to change in each intake.

Entry Requirements

International students must be at least 18 years old.

Academic	· Completed high school with NCEA University Entrance or · equivalent CIE/IB grades or · An appropriate qualification from an overseas secondary school or tertiary institution, deemed by the college to be sufficient for admission into a Bachelor programme.
English	IELTS 6.0 (Academic) with no band lower than 5.5 or equivalences approved by NZQA

IBM

We have partnered with IBM, incorporating IBM SkillsBuild into our Bachelor of Software Engineering degree. IBM will deliver the Artificial Intelligence and Cyber Security electives.

IT Professionals NEW ZEALAND

Yoobee's Partnership with IT Professionals allows Yoobee to advocate on behalf of the Education Sector.

CompTIA Authorized Partner | ACADEMIC PARTNER

CompTIA is the world's largest developer of vendor-neutral IT exams & certifications, validating the skills of our IT Certificate students & enhancing their career opportunities.

aws academy

Our Cloud Computing graduates gain access to AWS Industry Certification lessons based on the actual industry.

CISCO Networking Academy

Yoobee's Cyber Security graduates receive a portable and data-rich digital-badge from Cisco, verifying their skills and achievements to tech industry employers around the world.