

craigtiu_

craigrusselltiu@gmail.com
craigrusselltiu.github.io/website
github.com/craigrusselltiu
linkedin.com/in/craig-tiu



profile_ A passionate software engineer with contagious enthusiasm and a high drive to learn, adapt, and succeed. Firm believer in writing beautiful, SOLID, and scalable code.

education_ **Bachelor of Software Engineering (Honours)_** **2017 - 2021**
The University of Sydney

knowledge_ **Languages:** Python, Java, C, C++, SQL, JavaScript, R, MATLAB
Web Technologies: HTML5, CSS, React, Bootstrap, Spring Boot
Database Technologies: MySQL, MongoDB
Agile Methodologies: Extreme Programming
Other: Git, GitHub, Bitbucket, Visual Studio Code, Trello, JUnit

experience_ **The Westmead Institute for Medical Research_** **Dec 2019 - Feb 2020**
Software Engineer (Research Intern)

- Designed machine learning software for radiologists to use in analysing lung cancer
- Implemented software infrastructure in Python to eliminate 6 months future work
- Interacted with medical stakeholders through development, meeting requirements
- **Technologies:** Python, PyTorch, SciPy, Tkinter, Python Unittest

James An College_ **Jan 2018 - Dec 2019**
Student Tutor

- Coached high school students up to HSC, including small classes and private classes
- Taught regular and selective primary classes, improving MES test averages by 20%
- Received 100% positive feedback from all the students I've taught

Sydney TechLab_ [LINK] **Jul 2019 - Nov 2019**
Software Engineering Intern

- Developed for a client a digital beer cellar web application with an agile team
- Eliminated need for manual tracking of 500-row Excel files through efficient design
- Integrated CI/CD tool CircleCI, then deployed the web app through AWS EC2 and S3
- **Technologies:** React, TypeScript, HTML, CSS, Tailwind, Bitbucket, AWS, Docker

The University of Sydney_ **Mar 2018 - Jun 2018**
Academic Mentor

- Mentored first year software engineering students with Python and Java courses
- Guided students in queries about CS fundamentals, data structures, and algorithms

projects_

• Personal Portfolio_ (React/JavaScript) [LINK]	Mar 2021
• Quarantinder Web Application_ (Spring/Java, REST) [LINK]	Dec 2020
• Yoshi's Island Jump!_ (Object-oriented Design Patterns) [LINK]	Nov 2018

achievements_

- ✓ Graduated high school as school captain, school dux, and with principal's award
- ✓ Maintained upper distinction WAM throughout entire university degree
- ✓ Received high distinction in COMP2123 Data Structures and Algorithms
- ✓ Received high distinction in MATH2069 Discrete Mathematics and Graph Theory
- ✓ Ranked top 2 in entire cohort in ELEC1601 Introduction to Computer Systems

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