

craigtiu_

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profile_ A passionate coder with contagious enthusiasm and a high drive to learn, adapt, and succeed.

experience_ **The University of Sydney_** [[LINK](#)] **Aug 2020 - Dec 2020**
Full Stack Developer

- Developed for a university course an online dating web app with a team
- Implemented viewing and editing user profiles via MVC/RESTful API design
- Wrote code to handle account deletion and updating the MySQL database accordingly
- **Technologies:** Spring Boot, MySQL, Apache Tomcat, Apache Maven, Hibernate, Git

The Westmead Institute for Medical Research_ **Dec 2019 - Feb 2020**
Software Developer

- Designed, implemented, and delivered a medical application with a research partner
- Researched and implemented machine learning models, e.g. logistic regression, SVM
- Developed a data pipeline that extracts volumetric features from the tumours
- **Technologies:** Python, PyTorch, SciPy, Tkinter, Python Unittest

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

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

University of Sydney TechLab_ [[LINK](#)] **Jul 2019 - Nov 2019**
Front End Developer

- Developed for a client a digital beer cellar web application with an agile team
- Designed frontend components and views for the web app using the React framework
- Worked with CI/CD tool CircleCI, then deployed the web app using AWS EC2 and S3
- Devised and performed acceptability and usability tests derived from user stories
- **Technologies:** React, TypeScript, HTML, CSS, Tailwind CSS, Bootstrap, Bitbucket

projects_ **Personal Website Portfolio_** [[LINK](#)] **Mar 2021**
Yoshi's Island_ [[LINK](#)] **Nov 2018**

education_ **Bachelor of Software Engineering Honours_** **2017 - 2021**
The University of Sydney

achievements_ ✓ Graduated high school as school captain, dux, and with principal's award
✓ Maintained distinction average WAM throughout university degree

knowledge_ **Languages:** Python, Java, C, C++, SQL, HTML5, CSS, JavaScript, TypeScript, Lua, R
Frameworks: React, Tailwind, Bootstrap, Spring Boot, JUnit, Python Unittest
Other: MySQL, MongoDB, Git, GitHub, Bitbucket, AWS, Postman, Visual Studio Code

summary_ ✓ Strong understanding of programming fundamentals, data structures, and algorithms
✓ Experience with machine learning, agile methodologies, and web app development
✓ Good grasp of object-oriented design, including SOLID, DRY, and design patterns
✓ Knowledge of project management, DevOps, REST APIs, and UNIX/Linux environments

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