

# craigtiu\_

provided upon request\_   
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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 updating user profiles via RESTful URL design
- Wrote code to handle account deletion and updating the MySQL database accordingly
- **Technologies:** Spring Boot, MySQL, Apache Tomcat, Apache Maven, Hibernate

**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

**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\_** **Aug 2019 - Nov 2019**  
*Frontend 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 React
- Assisted in the deployment of the web app using AWS EC2 and S3
- Devised and performed acceptability and usability tests derived from user stories
- **Technologies:** React, HTML, CSS, Bootstrap, MongoDB, AWS, Bitbucket

**projects\_** **Personal Website Portfolio\_** [[LINK](#)] **Mar 2021 - Present**  
**Yoshi's Island\_** [[LINK](#)] **Nov 2018**

**education\_** **Bachelor of Software Engineering Honours\_** **2017 - 2020**  
*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++, C#, SQL, HTML5, CSS, JavaScript, Lua, R, Assembly  
**Frameworks:** React, Bootstrap, Spring Boot, JUnit, Selenium  
**Other:** MySQL, MongoDB, Neo4j, Git, Bitbucket, AWS, Tomcat, Maven, Hibernate, VS 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, SDLC, ITIL and UNIX/Linux environments

**end\_**