

# craigtiu\_

can provide upon request\_   
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**profile\_** A passionate coder with contagious enthusiasm and a high drive to learn, adapt, and succeed.

**education\_** **Bachelor of Software Engineering Honours\_** **2017 - 2020**  
*The University of Sydney*

**High School Certificate\_** **2013 - 2015**  
*Pendle Hill High School*

**knowledge\_** ✓ Python, Java, C, C++, C#, SQL, HTML, CSS, JavaScript, Lua, R, MATLAB, React, Bootstrap, MySQL, MongoDB, Neo4j, JUnit, Spring, Assembly, Git, AWS, Selenium

**achievements\_** ✓ Graduated high school as school captain, dux, and with principal's award  
✓ Maintained 81 distinction average WAM throughout university degree

**experience\_** **The Westmead Institute for Medical Research\_** **Dec 2019 - Feb 2020**  
*Software Developer Intern*

Designed and implemented a radiomics tool with a team at The Westmead Institute for Medical Research that utilises machine learning techniques in analysing 3D lung cancer patient CT images, used as the basis of computer-aided software. (Python)

**James An College\_** **Jan 2018 - Dec 2019**  
*Student Tutor*

Coached primary school students for their selective high school placement tests, taught regular primary and high school courses, and taught private classes.

**University of Sydney TechLab\_** **Aug 2019 - Nov 2019**  
*Frontend Developer Intern*

Applied extreme programming agile methodology with a team to develop for a client from USYD TechLab a digital beer cellar web application. (React, MongoDB, AWS)

**university\_** **Quarantinder Web Application\_** **Aug 2020 - Dec 2020**  
*Student / Full Stack Developer*

Developed for a university course a RESTful online dating web app with a team, hosting virtual dates by utilising Zoom for video interaction as a solution for social isolation during COVID. (Spring Boot, MySQL, Apache Tomcat, Apache Maven)

**Prostate Cancer Aggressiveness Classification\_** **Mar 2020 - Dec 2020**  
*Student / Thesis Project*

Worked closely with a supervisor for my thesis to explore the effectiveness of 3D CNNs in conjunction with AutoAugment to classify prostate cancer aggressiveness, utilising Python libraries including PyTorch and Keras. (Python)

**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\_**