

ANDREW MARTIN

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Career Objective

I am a Mathematics graduate, with a double-major in the fields of Applied Mathematics and Statistics. This year I am studying my honours, to produce a thesis in Fluid Dynamics. I aim to pursue a career where I can apply my technical skills in software development. I am particularly interested in application and game development.

Education

Bachelor of Mathematical Sciences

University of Adelaide

2016 - 2018

Applied and Stats major, GPA 5.3 / 7

Expected completion 2018

Bachelor of Mathematical Sciences (Honours)

University of Adelaide

2016 - 2018

Thesis in Fluid Dynamics

Expected completion 2019

My thesis is on *Vortex Breakdown*, a phenomenon in which water which is flowing and swirling can generate pockets of stagnant or reversed flow.

Employment History

University of Adelaide

Full Time Student

2016 - 2019

- Participation in group projects
- Problem-solving
- Linking mathematics with computer science
- Writing thesis

Centre for People Development

Data Entry, Web-Markup

2017 - 2019

- Communicate with clients regarding design
- Building effective **UX/UI**
- Automating the cleaning and analysis of surveyed data

Baukraft

Junior Web Developer

2018 - 2019

- Adjusting to a different coding convention
- Entering a brownfield project
- Full stack development (**SQL, PHP, XSLT**)

Simbiant

Intern (Programmer)

June 2019 -Present

- Self-driven work and research
- Use of coding packages (Unity, OpenCV, Arduino)
- Obtaining security clearance

Coding Proficiencies

Skill	Proficiency		Initial Usage	Example Personal usage
C#	Experienced	(2016)	Personal Unity Project	Game development (Unity)
CSS	Experienced	(2016)	Centre for People Development	-
MATLAB	Experienced	(2016)	Mathematics coding at University	-
LaTeX	Experienced	(2016)	Self-taught for University	This document
C++	Proficient	(2017)	Object Oriented Course	Game development (UE4)
HTML	Proficient	(2016)	Centre for People Development	-
JS	Proficient	(2016)	Centre for People Development	Tabify project (github)
R	Proficient	(2015)	University statistics courses	Data analysis
Python	Proficient	(2013)	NCSS Python Competition	Prototyping
SQL	Novice	(2018)	Baukraft	-
PHP	Novice	(2018)	Baukraft	-
XSLT	Novice	(2018)	Baukraft	-

Extra-curricular & Hobbies

Learning Japanese 2019-present

- Committing to self-learning
- Creating mnemonics to help memory
- Logically understanding grammar

Unity Personal Projects 2016-present

- Developing C# code
- Manipulating the Unity API
- Debugging and Optimising code
- Use of Github

Code Mentoring 2017-present

- Teaching problem-solving strategies
- Emphasis on documentation and understanding
- Improving code commenting and function

Team Competitive Coding, Gaming 2016-present

- Leading and managing tasks
- Identifying appropriate strategies
- Managing and organising team
- Reflecting on strategies and performance

Referees

Simon Kreig

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