Timothy White
Software Developer
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My Website: www.timthesoftwaredev.com

## Summary

A passionate and ambitious **software developer** with 2 years of academic experience. Expert in JavaScript, Python and UNIX based systems.

## Experience and Projects

*Programming G*itHub Account: https://github.com/twhite17

- **University Project: Asteroids**
  *Aug 2019 – Sept 2019*
  Responsibility: Writing asynchronous code with pure functional paradigms.
  Project: Creating a simplified clone of the Asteroids game
  Used Tools: TypeScript, Observable, Visual Studio Code, Bash
  Results: Maintained functional purity through to the end of all observer chains, implemented all required functionality.

- **Volunteer Work: Python Programming Tutor**
  *3rd August 2019*
  Responsibility: Teaching a group of 4 undergraduate students the basics of programming.
  Language Taught: Python 3.x
  Results: Received a certificate of recognition from the Faculty of IT.

- **University Project: Car Rental Database**
  *Mar 2019 – May 2019*
  Responsibility: Designing and Implementing a Relational database.
  Project: Creating a Car rental database using the relational model.
  Used Tools: Oracle SQL Developer, Oracle Database, Lucid Chart
  Results: Met all criteria in design stage and implementation functioned well.

- **University Project: Team Software Development Project**
  *Jan 2019 – Mar 2019*
  Responsibility: Designing and Developing Software using git version control with a partner.
  Project: Implementing a game based off a game engine that was built by other engineers.
  Used Tools: Eclipse, Git, GitLab, UMLet
  Results: Met all of the functional requirements but the design lacked some detail.

- **Personal Project: MARIE.py**
  *Sept 2018 – Nov 2018*
  Project: Developing a clone of MARIE.js in Python (MARIE.js is a hardware architecture simulator)
  Used Tools: Python, NumPy, Git, GitHub
  Results: functions well with smaller programs. Needs more debugging tools and better error reporting during compilation process.

*Other Relevant Projects and Experience*

- **Personal: My own Portfolio/Website**
  *Sept 2019*       www.timthesoftwaredev.com

- **Personal: Building a Personal Computer**
  *Jan 2019*

- **Personal: A Custom Desktop Environment**
  *Nov 2018 – Dec 2018*
  Project: Setting up a nice Linux based development environment that helps improve my productivity.
  Used Tools: Arch Linux, i3wm, Pacman package manager.

- **Personal: A home Network Attached Storage with Samba**
  *Dec 2016*
  Project: Setting up a NAS on the local network for personal use.
  Used Tools: Ubuntu Server, Samba

## Education

***Monash University, Clayton*** *(Currently in second year of study)*

Bachelor of Computer Science (Advanced Computer Science) C2001

- Current **WAM**: *68.000*
- Current **Major**: *Computer Networks and Security*, **Minor**: *Software Engineering*

Good knowledge of data structures, algorithms, object oriented paradigms and networking.

***St Pauls Anglican Grammar School, Warragul***

Graduated VCE in 2017.

- Received an award for "outstanding achievement" in VCE IT Software Development.
- Completed a **CCNAv6** qualification in VCE as part of the VET program. (Cisco Certified Network Associate)

## Known Tools

**Programming Languages**

Python, C/C++, Java, JavaScript, Bash, SQL, HTML/CSS, Php, TypeScript

**Networking/Cloud Tools**

Amazon Web Services, MongoDB, Oracle DB

**Operating Systems**

Ubuntu Server, Arch Linux, Debian, Raspbian, Microsoft Windows, CISCO IOS

**Frameworks/API/libraries**

OpenGL, Express, React, Bootstrap4

## References

**ABM Russel,        University Tutor,        0402507076,        abm.russel@monash.edu**