**Hunter Thorpe Resume**

0411 155 245 [**github.com/hunterthorpe**](https://github.com/hunterthorpe?tab=repositories)

[hjthorpe@student.unimelb.edu.au](mailto:hjthorpe@student.unimelb.edu.au) [hunterthorpe.me](file:///Users/hunterthorpe/Desktop/workdocs/hunterthorpe.me)

**Profile**

Enthusiastic and motivated 2nd year Bachelor of Science student at the University of Melbourne preparing to double major in Data Science, and Computing and Software Systems.

**Skills**

* **Languages** – Python, C, Java, SQL, R Javascript, HTML and CSS
* **Frameworks and Systems** – Bootstrap, Git and Bash
* **Software Packages** – MATLAB, Maple, Microsoft office, Google office tools

**Education**

**The University of Melbourne – Bachelor of Science (2nd Year)**

* Weighted Average Mark (WAM): **78.00**
* Preparing to major in both **Data Science**, and **Computing and Software Systems**
* **First Class Honors**: [Elements of Data Processing](https://handbook.unimelb.edu.au/2020/subjects/comp20008) (worked with a variety of classifiers and models, and data cleaning, storing, and scripting) [Foundations of Computing](https://handbook.unimelb.edu.au/2019/subjects/comp10001) (introduction to Python, HTML and CSS), [Principles of Business Law](https://handbook.unimelb.edu.au/2019/subjects/blaw10001/), and [Calculus 1](https://handbook.unimelb.edu.au/2019/subjects/mast10005)
* **Second Class Honors**: [Foundations of Algorithms](https://handbook.unimelb.edu.au/2019/subjects/COMP10002) (C, pointers, and beginner data structures and algorithms), [Design of Algorithms](https://handbook.unimelb.edu.au/2020/subjects/comp20007/) (Advanced C, data structures and algorithms), [Foundations of Information Systems](https://handbook.unimelb.edu.au/2019/subjects/ISYS10001/) (Discussed agile, scrums, and other Business IT processes) [Biology of Cells and Organisms](https://handbook.unimelb.edu.au/2019/subjects/biol10004/), and [Probability for Statistics](https://handbook.unimelb.edu.au/2020/subjects/mast20006/)
* **Third Class Honors**: [Linear Algebra](https://handbook.unimelb.edu.au/2019/subjects/mast10007/)
* Currently awaiting results for [Statistics](https://handbook.unimelb.edu.au/2020/subjects/mast20005/), [Object Orientated Software Design](https://handbook.unimelb.edu.au/2020/subjects/swen20003/) (Java and UML), and [Database Systems](https://handbook.unimelb.edu.au/2020/subjects/info20003/) (SQL and database administration)
* Member of the Competitive Programming and Information Security Clubs
* Statement of Results attached.

**St Bernard’s College – VCE: 94.95 ATAR**

**Projects**

**Resource Tracker** – <hunterthorpe.me/sourcelist>

* Created using HTML, CSS, Javascript and Boostrap
* Uses local storage to track and record resources used when researching

**Comparing classification algorithms using life expectancy data**

* Classifying countries as having Low, Medium or High life expectancy using World Development Indicators and World Health Organization data
* Comparing KNN and Decision Tree classifiers,
* Comparing different methods of feature engineering and selection
* Written in Python using the sklearn and pandas libraries

**Noughts and Crosses Browser Game** - [hunterthorpe.me/xando](http://hunterthorpe.me/xando.html)

* Player plays as Noughts vs the Computer which plays as crosses
* Page tracks game record including wins, losses and ties, using local storage
* Written in html, css and javascript with jquery.

**Pool water testing and customer database program**

* Manage and record customer’s details and test history via csv files
* Create, read, update, delete and search functionality
* Creates an informative test printout based on test results using html and css
* Written in Python using the Tkkinter library

Further details, code, and other projects available at <hunterthorpe.me>

**Experience**

**Greenhouse Pools and Spas: Sales Assistant. Dec 2018 – Current (24 months)**

* Responsible for water testing, data entry and management, making sales, store organization, and general admin
* References: Store Directors- Fabio Marzella (fabiom@ghpools.com.au), and Merita Marzella (meritam@ghpools.com.au)

**Mathstar Tutoring: Mathematics and English Tutor. Apr 2019 – Sep 2019 (6 months)**

* Tutored at a primary school and secondary school level
* Reference: Manager- Sheryn Chen (info@mathstar.com.au)

**McDonald’s Highpoint Kitchen Staff – 2016 Nov – 2018 Jan (14 months)**

* Excelled in a high pressure team environment

**Walter and Eliza Hall Institute Work Experience- June 2016 (1 month)**

* Responsible for data entry, operating certain technical equipment and preparing a relevant report

**NWMCA and EDFL Umpiring- Apr 2015 – Feb 2017 (22 months)**

* Officiated a variety of junior and senior, football and cricket matches
* Developed skills in communication, decision making, cash handling and teamwork

**Extracurricular Activities**

* Volunteer tutor at St Alban Community Centre 2017 (2 months)
* DAV and ACC interschool debating 2014-2017 (3 years)