Hunter Thorpe Resume

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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 (worked with a variety of classifiers and models, and data cleaning, storing, and scripting) Foundations of Computing (introduction to Python, HTML and CSS), Principles of Business Law, and Calculus 1
- **Second Class Honors**: Foundations of Algorithms (C, pointers, and beginner data structures and algorithms), Design of Algorithms (Advanced C, data structures and algorithms), Foundations of Information Systems (Discussed agile, scrums, and other Business IT processes) Biology of Cells and Organisms, and Probability for Statistics
- **Third Class Honors**: Linear Algebra
- Currently awaiting results for Statistics, Object Orientated Software Design (Java and UML), and Database Systems (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
- 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)