

Charlton Groves

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WORK EXPERIENCE

Web Development

Brisbane, QLD

Olive Way - Ecommerce clothing brand (Full Stack) (Postgres, Ruby on Rails, slim)

2016

- Quickly learned and comprehended the technologies used in an existing codebase.
- Came up with solutions to seemingly intractable problems.
- Performed front end optimizations to improve user experience.
- Fixed database schema and performed database migrations.

Richard Groves Architects - Architecture firm (Html/CSS/jQuery)

2016-2017

- Developed with the client an extensive requirements list.
- Designed and drew paper prototypes to ensure requirements were satisfied.
- Implemented clean and maintainable code in html/css/jquery using best practices.
- Integrated company with Google, Google maps, and Facebook. Performed SEO.
- Worked independently through a project life cycle.

Private Tutoring

Brisbane, QLD

High School Tutor for Math B, Physics, and Chemistry.

2015-Present

- Explained complex concepts using easy to understand terms.
- Developed action plans based on students' academic goals.
- Communicated with parents to update them on their child's progress.

Bar Staff, Hospitality

Brisbane, QLD

Brothers Rugby Club

2015-2016

- Maintained high standards of customer service during high volume and fast paced operations.
- Built loyal customers through friendly interactions and consistent appreciation.

PROJECTS

SyncUQ

A University of Queensland exclusive schedule sharing and social media platform. It allows users to find out whether their friends are free as they go on a lunch break at university. (due for release May 2017)

Frontend: **elm**, **JavaScript**

Backend: **Python** (using **Flask** and **SQLAlchemy**), **Postgres**, **Heroku**

Duxcom

Open source, turn based isometric game. Developed with a team of 50+ in **Java** using **Continuous Integration** and **TDD**. The project was fully integrated with tools such as **Git**, **Jenkins** (to assist with continuous integration), and **SonarQube** (To ensure clean code).

Tetris

A remake of the classic game tetris using a 74HCT chip kit and programmed using Atmel Studio and **the C programming Language**. The game contained features such as high score tracking, joystick support, and 8-bit sound.

Personal Website - Read more about my projects here www.charltongroves.com (HTML, CSS, JS/jquery)

TECHNOLOGIES

Object Oriented Programming – **Java**

Scripting – **Python** | **JavaScript** | **Ruby***

Functional – **Haskell***

Systems Programming – **C** | **Assembly***

Web Technologies – **HTML/CSS/JS** | **jQuery** | **elm** | **Flask** | **Sinatra** | **Ruby on Rails*** | **Purescript***

Tools – **Git** | **Jenkins** | **SonarQube** | **Heroku** | **AWS**

OS – **Linux** | **Windows** | **OSX**

DB – **MySQL** | **Postgres**

* developing proficiency

EDUCATION

University of Queensland

Bachelor of Science, Extended Major in Computer Science

Highly active UQ Computing Society member

2015 – Focus on Physics/Mathematics Dual Major

2016-2018 – Focus on Computer Science Extended Major

GPA overall: 5.31 | GPA Comp Sci Related: 5.75

Brisbane, QLD

2015-2018

Church of England Grammar School (Churchie)

Year 6-12

Full colors for academic excellence

Brisbane, QLD

2008-2014

AWARDS

- Shoot the Architect, Photography portraiture prize – High Commendation
- Young Archie, National traditional art portraiture prize – High Commendation

REFERENCES

Character Reference

- Hans Pearson, President of Brothers Rugby Club Albion - 0408 188 140
- Sally Quayle, Parent of tutoring student – 0403 042 037
- Bruce Davidson, Group CEO – bdavo@bigpond.net.au