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: **Purescript**, **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**)|

Also visit **github.com/charltongroves** for more of my projects

This document is accurate as of 18-04-2017

TECHNOLOGIES

Object Oriented Programming – **Java**
Scripting – **Python** | **JavaScript** | **Ruby***
Functional – **Haskell***
Systems Programming– **C** | **Assembly***
Web Technologies - **HTML/CSS/JS** | **jQuery** | **Flask** | **elm** | **Sinatra*** | **Purescript*** | **Rails***
Tools - **Git** | **Jenkins** | **SonarQube** | **Heroku** | **AWS***
OS - **Linux** | **Windows** | **OS X**
DB – **MySQL** | **Postgres**
* developing proficiency

EDUCATION

University of Queensland   Brisbane, QLD
Bachelor of Science, Extended Major in Computer Science   2015-2018
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

Church of England Grammar School (Churchie)   Brisbane, QLD
Year 6-12   2008-2014
Full colors for academic excellence

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