Colin Butler

Software Engineer

Computer Science student at Glasgow University. Ski, squash, and music enthusiast!

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Education

Computing Science, BSc (Hons)
University of Glasgow

09/2012 - 06/2017   *First Class (Expected)*

- Networks
- Distributed Systems
- Operating Systems
- Algorithms
- Programming (C, Python)
- Databases

Higher Grade Education
Kirkintilloch High School

08/2010 - 06/2012

- A, Maths
- A, Chemistry
- A, Modern Studies
- A, Physics
- A, History
- B, English

Work Experience

Technology Analyst Intern
Squarepoint Capital LLP

07/2016 - 09/2016   *London, UK*

- Understood and worked on the order gateway system of a complex High Frequency Trading system, in a small team.
- Successfully implemented a suite of regression tests for the order gateway system, covering Eurex exchange. (Python)
- Created a tool to monitor software versions and info for Production components. (Python)
- Various bug fixes on the order gateway system. (C++)

Customer Service Assistant
Sainsbury's Plc

03/2015 - Present   *Glasgow, UK*

- Worked as part of a small team to efficiently complete all tasks required to keep a small store open for trading.
- Focused on providing excellent customer service at all times.

Sales Assistant, Audio & TV
John Lewis Plc

06/2013 - 12/2014   *Glasgow, UK*

- Provided customers with knowledge and advice to help them make decisions on computing, audio, and TV purchases.
- Provided support to customers dealing with technical issues
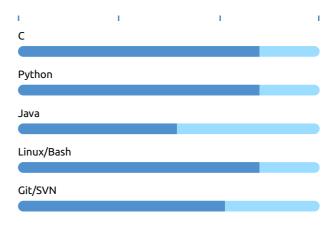- Aided in mentoring and training of new staff members.

Sales Assistant
Comet Plc

12/2011 - 12/2012   *Glasgow, UK*

- Consistently met targets in sales and customer engagement, assisting customers in purchasing electrical and white goods.

Skills & Competences

C

Python

Java

Linux/Bash

Git/SVN

Projects

Configuration management for a system of Raspberry Pi network measurement probes (09/2016 - 03/2017)
- Individual final year honours project.
- Researched the most suitable tools and practices for a system of extremely remote devices, with access restricted by firewalls.
- Created and documented a configuration management system, using open source Chef, for use in conducting TCP protocol research.

Inequalities bench-marking tool for local charity (09/2015 - 03/2016)
- Third year university team project, working alongside NHS Dumfries & Galloway.
- Created an online bench-marking tool for businesses to evaluate their actual client demographic against a projected level of inequality for the area.
- Used the Django framework and SQLite to create a dynamic online web app.

Web page tracking course deadlines and information (09/2015 - 05/2016)
- Personally maintained a markdown-based web page keeping track of coursework deadlines and information for personal and peer use.
- The page was used by many colleagues to keep up-to-date with exam timetables, university events and deadlines.

Other Experience

"Do You Have The GUTS" Hackathon (10/2016)
University of Glasgow
- Created a working concept for an augmented reality web game, loosely based on 'hide-and-seek'.
- Learned how to use Node.JS, Socket.IO, and Google Maps API.

Additional Achievements

Commonwealth Games Volunteer (07/2014 - 08/2014)
Volunteered during the 2014 Commonwealth games as part of the field hockey support workforce.

School Captain, Kirkintilloch High School (08/2011 - 06/2012)
Led a team of 60 students to perform their duties as prefects. Acted as a representative for the student body in meetings and events.