

# Stuart Reilly

COMPUTER SCIENCE STUDENT

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## Summary

A self-motivated, caring individual who applies himself in a professional, efficient manner to all tasks. Arch Linux enthusiast, who loves to customize and tweak his installation, revelling in the chance to fix the system upon breakage. Enjoys learning new tools and technologies, providing new, cleaner and simpler solutions through their use.

## Work Experience

### AT&T

Edinburgh, UK

SOFTWARE DEVELOPMENT INTERN

Jun 2019 - Aug 2019

- Joined a team building a new network operating system for routers as part of AT&T's high speed network.
- Replaced an existing proprietary library with an open source alternative.
- Integrated the new library into the existing build system and CI pipeline.
- Extended a feature of the platform to allow for arbitrary implementations of an interface.
- Introduced a new command line interface to allow for the selection of implementations for the interface.

### Cupris

London, UK

SOFTWARE DEVELOPMENT INTERN

Jul 2016 - Sept 2016

- Contributed to a pre-existing codebase, following predefined style and programming practices, such as Agile Programming.
- Introduced a new workflow to the platform by implementing a new administrative interface.
- Created a specification document, defining the new workflow, API endpoints and security considerations.
- Made use of Vaadin, Spring Boot, Spring Data and Spring Security.

### Parc Computer Centre / COR Solutions

Hitchin, UK

JUNIOR TECHNICIAN

Sep 2015 - Jul 2016

- Undertook a wide array of computer repair tasks for customers of varying complexity.
- Direct communication with customers about their issues, repair status and payment.
- Carried out routine maintenance of internal and customer computer systems.
- Utilised a range of operating systems and tools to carry out repairs.

## Education

### University of Glasgow

Glasgow

UNDERGRADUATE COMPUTING SCIENCE BSC (HONOURS EXPECTED)

Sep. 2016 - Present

- Dissertation project is to implement the IETF TAPS API in the Rust programming language.
- Elective courses include Functional Programming, Network Systems, Advanced Systems Programming and Safety Critical Systems.

### Hitchin Sixth Form Consortium

Hitchin

A-LEVEL

Sep. 2014 - Sep 2016

- Computer Science - B
- Mathematics - B
- Physics - C

## Skills

<b>Programming</b>	Java, Rust, C, Python, Bash, Javascript, LaTeX
<b>Web</b>	HTML5, CSS3, Javascript, Iron, Spring Web, Actix Web, Bootstrap, NodeJS, Django
<b>Framework</b>	Spring, Express, Tokio, Actix, Iron, Django, Bootstrap, Vaadin, JavaFX, Java Swing, Passport.js
<b>Tools</b>	Git, IntelliJ IDEs, VIM, Make
<b>Database Management</b>	MySQL/MariaDB, MongoDB, PostgreSQL
<b>Operating System</b>	Windows, Mac OS X, Linux/Unix

## Extracurricular Activity

## **Pause Gaming LAN Society**

*University of Glasgow*

PRESIDENT 2018 - PRESENT & CORE MEMBER

*Sep. 2016 - Present*

- Pushed the society to update the aging networking infrastructure.
- Interacted with multiple other societies to provide interesting society mixer events.
- Communicated with the Student Representative Council to ensure the societies longevity and continued use of the University's space.
- Changed the committee's priorities to encourage new members, rather than exclusively targeting pre-existing members