



Steven Waterman

Durham, UK
cv@stevenwaterman.uk
steven-waterman
motherlymuppet
stevenwaterman.uk



Summary

Recent Durham University
Computer Science Graduate

Self-directed, efficient generalist,
able to quickly learn new
technologies with a desire to
work on challenging problems

Creative, unorthodox, and
innovative, able to think outside the
box to find the best solution.

Proficient public speaker with
great communication in teams and
plenty of leadership experience

Back-end and Data Infrastructure
focus. This CV is my artistic peak!

Career Interests

Startups and small teams with flat
hierarchy, in North-East England or
Remote. **Areas of Interest include:**

- Automation (Home/Business)
- FinTech
- Data Science
- High Performance Computing
- Embedded Systems

Skills

I am the go-to guy regarding:

Java Kotlin SQL Excel

I can teach beginners about:

Python JS C# NodeJS R
LaTeX Concurrency Optimisation
Electronics CPU Design Business

I also have experience with:

HPC GPGPU NoSQL Typescript
C Haskell MATLAB Prolog

Education

- 2015 – 2019 **Durham University** (Trevelyan College)
2016 – 2019 BSc Computer Science
 - 1st Class (Hons)
 - Dissertation: Tailoring Horror Games with Biosignals, graded 73%

2015 – 2016 MEng General Engineering
 - Fell in love with CS through an elective module

2008 – 2015 **Park View School**
Co. Durham A-Level: A*AB GCSE: 3A*, 7A, B, C

Work

- Aug 2019 **Graduate Developer**
Newcastle Scott Logic
- Oct 2018 – Jun 2019 **Lab Demonstrator**
Durham University
 - Ran practical work sessions for students
 - Covered: Digital Logic, Machine Architecture, Operating Systems, Databases, and Networks
- July – Oct 2018 **Junior Software Engineer (Internship)**
Newcastle Condeco Group Ltd.
 - Full-Stack web development with microservices
 - Focus on backend API development
 - Designed and pitched a new microservice

ASP.net Core Typescript Android Azure SQL

March – May 2017 **Full Stack Developer**
Co. Durham Plan for Probate (North) Ltd.
 - Developed an online CRM portal tracking payments and customer information
 - Employed an Agile framework to keep clients informed throughout the consulting process

Java JSP SQL JS GCP

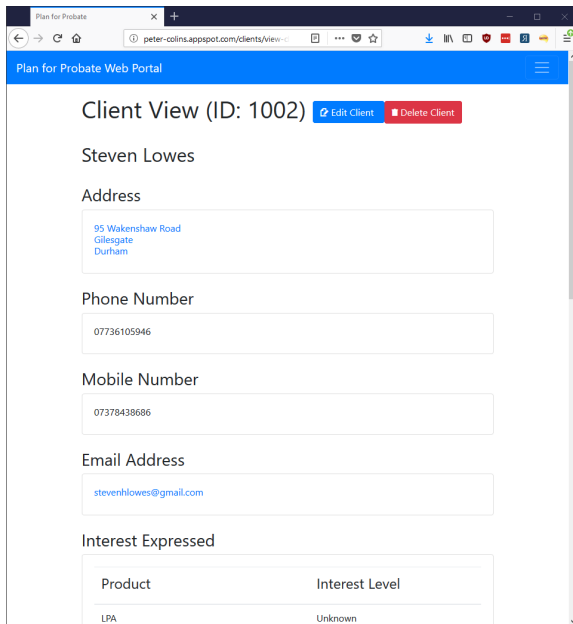
July – Oct 2016 **Java Programmer**
Sunderland E. Hall Tripe & Poultry Ltd.
 - Developed a logistics system which creates packing lists for the drivers, and calculates delivery routes, previously done manually

Java Swing SQL

Accomplishments

- Won the Durhack 2018 'GitHub Prize for Best Dev Tool' & overall runner-up with *SharpShot*, an esoteric visual programming language
- BAE Systems *Capture the Flag* Runner-Up 2017
- Active GitHub account, contributing to FOSS
- Chaired the committee that governs extracurricular student groups, successfully campaigning for more student consultation
- Represented over 4,000 students as Science Faculty Rep, speaking publicly and lobbying senior leadership regarding student issues
- Held leadership positions in five student groups & president of two
- Actively involved with Shellshock! Improvised Comedy, performing in a sell-out show at Edinburgh Fringe in 2018
- I made a super cool electric bike (click)

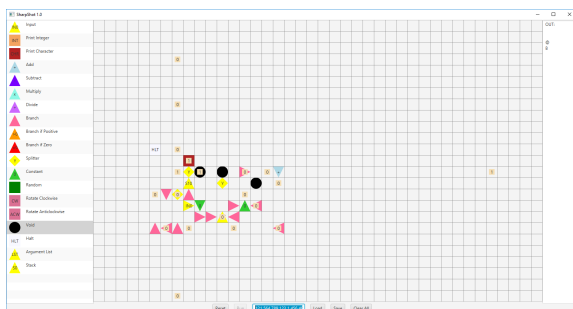
Portfolio



Plan For Probate Web Portal (May 2017)

Tracks clients and in-progress tasks. Allows for file upload and storage for important documents. Secured using Google Login, and Database encrypted to comply with GDPR. Used by the company to store and manage all ongoing tasks and client information. The web portal has replaced the previous system which used physical index cards to track their clients, decreasing the time spent on admin and number of errors/missed appointments.

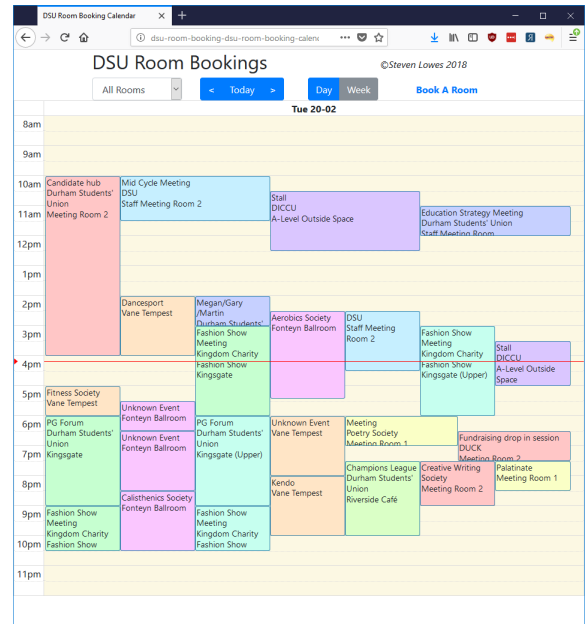
Java SQL JSP Bootstrap Javascript
Google Cloud Platform



SharpShot (Oct 2018)

Initial version created in 24 hours for Durhack 2018. A visual, esoteric programming language where nodes are placed on a grid. Each node represents a function, and parameters move around the screen annihilating each other when they collide. SharpShot was the overall runner-up from 31 total projects, and won the GitHub prize for best Dev Tool. Work continued in 2019 to convert it into a Zachtronics-esque programming game.

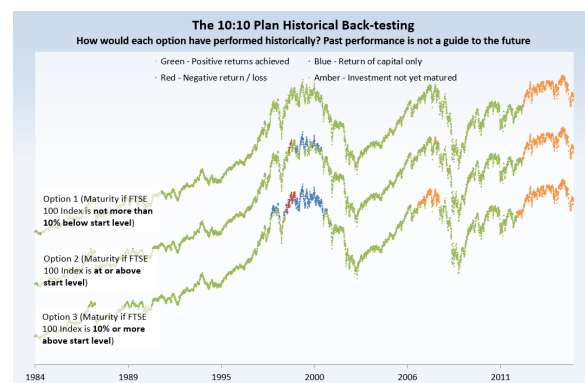
Java Kotlin Javafx



DSUrooms.com (Jan 2018)

Created during my role in Student Group Governance, showing when rooms in the Students' Union were booked. Hosted in the cloud using a scraping API created with nodejs. Received very positive feedback from Student Groups, as previously there was no way to know which rooms were booked. The tool was successfully handed over to SU staff and is integrated into the official website.

NodeJS FullCalendar Javascript JQuery
RedHat Openshift



Autocall Backtester (March 2016)

Created for Lowes Financial Management. Tests a financial product to see how it would have performed historically. This tool allowed the analysis to be performed where previously it was too time consuming. The graphs produced are used in the official product literature and online. The tool also informed the creation of new products, where backtesting revealed them to perform better than expected.

Java Excel VBA