

# Ryan Schuller

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## EDUCATION

### Computer Science BEng (Hons), University of Edinburgh

Sept. 2017 – June 2022

- **Courses include:** Human-Computer Interaction, Text Technologies for Data Science, Software Design & Modelling, Computer Security, Operating Systems, System Design Project, Database Systems & Functional Programming
- **Honours project:** To Design and build a route planning application for off-path hiking

### James Gillespies High School

Aug. 2011 – June 2017

- ABC at Advanced Higher & AAAAC at Higher

## SKILLS

**Languages:** Proficient in Java, Python & JavaScript, Experience with C, C++, SQL & Haskell

**Technologies:** AWS (EC2, S3, Cloudwatch, Lambda), Terraform, React & Hugo

**Design:** Figma, Adobe XD, Photoshop & Illustrator

**Leadership:** Patrol leader for the Blair Atholl international scout camp

**Teamwork:** Working with and managing a stage crew for drama productions

## EXPERIENCE

### Motorola Solutions, Software Engineer Intern

June 2021 – Sept. 2021

- Developed a new monitoring system to collect application level and operating system level data as part of the Cloud Services Team, speeding up debugging and correction for common support issues.
- Used AWS Cloudwatch tools to identify trends in data and reduce downtime by alerting potential errors.

### The Scouts, Web Developer

May 2020 – Mar. 2021

- Designed and built a website to support Young Leader training during the Covid-19 lockdown that now receives over 300 visits per week and has produced an over 400% increase in top award achievements.

### Lloyds Banking Group, Performance Manager Intern

June 2018 – Aug. 2018

- Developed a program to automate the collection and analysis of commercial banking process data, speeding up informed decision making from weeks to hours.
- Worked with a team to design and implement a productivity system for continuous improvement, ensuring the project would continue to increase value.

### Prospectus.space, UX Designer

Jan. 2018 – Oct. 2019

- Designed a navigation system for easy traversal of high school curriculum, making resources more accessible.
- Developed a demo for computationally generated practice questions that helped a student increase their grade 30%.

## EXTRA CURRICULARS

### Projects

- **Informatics Large Practical:** Used a mix of A\* and greedy-first algorithms to route a virtual drone around Edinburgh & achieved a 89% grade for my navigation strategy and Java language structure.
- **Incite Summer School:** Worked with a diverse team from 5 major universities around the world to design an app to tackle food waste. Collected market research, user stories and produced high-fidelity mocks presented to judges which got us into the final round (top 25% of teams).

### Volunteering

- **Scout Leader:** Working with a team to plan and run activities for a cub pack. Youngest member of the Braid District Executive, solving problems for 16 Scout groups in my local area.
- **CompSoc Edinburgh:** Designed event banners, membership cards and stickers for Scotland's largest technology society, including the logo and merch for Hack the Burgh, Scotland's biggest hackathon.

### Awards

- Duke of Edinburgh Award Bronze, Silver and Gold
- Lloyds Scholar
- Mark Scott Leadership for Life Award