

Innovative and detail-oriented software developer with a strong foundation in electronic engineering and nanotechnology. Passionate about exploring cutting-edge technologies and development in Python, Go, and Kotlin with a focus on machine learning and mobile applications

## Skills

Languages (established) Python, SQL, Java, C++	Languages (exploring) Go, Kotlin, Rust
Technologies (established) Git, Prefect, Pandas, dbt, Dremio, TensorFlow	Technologies (exploring) PyTorch, Jekyll, Flask, Django, React, Bun

## Experience

### **Data Engineer**

InCrowd Sports, Oct 21 - Mar 23

- Developed and maintained robust automated end-to-end data pipelines, significantly enhancing data accessibility and integrity.
- Demonstrated expertise in Python and SQL, employing advanced coding techniques to optimise data processing tasks.
- Mastered a suite of technical tools including dbt, pandas, prefect, and Dremio, driving improvements in data handling and analysis capabilities.
- Engineered innovative automation solutions, notably for GDPR compliance, which streamlined complex legal processes and saved hundreds of hours through smart application integrations.
- Excelled in collaborative team environments, adeptly handling code reviews, pull requests, and leveraging tools like Git and Jira to foster Agile project management and team efficiency.

### **Various**

Limmud, Aug 12 - Dec 22

- Organised registration, accommodation, transport, tech, participant care, and resources for a variety of 3-7 day residential events for ~200-3000 attendees.

### **Trustee**

YUSU, Mar 19 - Mar 21

- Ensured regulatory compliance and financial stability for a c.£5m organisation in line with my fiduciary duties.
- Introduced a Real Living Wage package, ensuring all our staff were fairly compensated.

### **President**

Electronics Society, May 18 - May 21

- Led a committee of fellow engineers representing the needs of our members.
- Hosted weekly lab sessions.
- Organised regular events and mentoring for our c.500 membership.

## **Policy Coordinator**

YUSU, Mar 18 - Mar 19

- Led and facilitated policy development for the organisation.
- Chaired the policy review committee.
- Represented the views of members to the board.

## **VP for Events**

HCSA, Jan 18 - Dec 18

- Organised events for our 3000 members, including a seven day "Welcome Week".
- Managed a c.£50k budget.
- Negotiated deals with local venues for discounted entry and benefits for our members

## **Education**

### **BEng (Hons) Electronic Engineering with Nanotechnology, First Class**

University of York, 2021

Final year project involved researching machine learning algorithms with the aim of creating a control system for the locomotion of tensegrity-based robotic structures.

Relevant modules:

- Neural networks
- Chip design
- Programming (Java, Python, C++)