

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++)