# Jamie Pinnington

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## Education

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| **Canterbury Christ Church University** – B.Sc. in Computer Science - First | May 2024 |
| **The Open University** – Certificate of Higher Education in Computing and IT | Oct 2016 - Jun 2017 |

## Experience

**Full-stack Developer** — **May 2024 – Present**
Canterbury Christ Church University - edi-toolkit-two.vercel.app — Remote

- Developing a full-stack web application for the University's engineering modules in React using Next.js, MUI, TypeScript, Payload, MongoDB, to support EDI students in their learning.

**Team Leader** — **May 2022 – Present**
Food Retail, The Co-op — Kent

- An exceeding person in control of a convenience store of excellence, demonstrated strong leadership overseeing a team of 5+ staff.
- Stringent compliance of policy by effective usage of staff, monitoring store performance, implementing and improving store objectives, resulting in a YoY revenue increase from £2.5 to £5.6+ million.

*Customer Team Member* — *October 2021 – May 2022*

- Demonstrated exceptional work ethic and reliability, ensuring all tasks were performed accurately and efficiently, contributing to consistently high store standards and customer satisfaction in a fast-paced retail environment.

**Reserve Officer Cadet** — **Oct 2021 – Jul 2022**
British Army, Armed Forces — Canterbury

- Utilized prior military experience to assist and support senior-officers in the training and development of Officer Cadets on Module A of the British Army Officer training course through fieldcraft and weapon handling.

**Day Trader** — **Aug 2020 – Jan 2022**
Self-employed — Kent

- Trading American markets, primarily high-frequency momentum trading to grow a personal investment portfolio from £3,000 to £60,000+

**Regular** — **May 2021 – Aug 2021**
British Army, Armed Forces — Pirbright, Surrey

- Awarded 'Best Shot' for outstanding marksmanship and precision, demonstrating exceptional skill and focus in firearm handling during Phase 1 training.
- Recognized as 'Most Improved' recruit, showcasing remarkable progress and dedication to personal and professional development throughout the training period.

## Projects

**AI-based ASL Fingerspelling Recognition - Dissertation Publishing (80%)**                    **Present**
- Using PyTorch and TensorFlow to develop a Transformer-based model to recognize and translate American Sign Language fingerspelling to text.
- Average WER of 86% on the ASL Fingerspelling Corpus across roughly 5000 test samples.

**CRUD SPA**                    github.com/jpinn97/frameworks_and_languages_module
- Developed a RESTful single-page application using React, TypeScript, and Tailwind CSS, with a Go and Gin backend.
- The two individual services were containerized using Docker and minimized using multi-stage builds for the lightest possible image.

**Utility Script**                    github.com/jpinn97/utility_script-jpinn97
- Developed a versatile Bash utility script featuring UUID generation (Version 1 and 4), process monitoring, and file analysis.
- Integrated C and Python components for advanced functionality and created a comprehensive man page for user guidance.

**Discovery Park Skills Hub**                    github.com/jpinn97/discovery-skillhub-cccu
- First place prototype web application for Discovery Park's Skills Hub.
- Used WordPress, JavaScript and PHP to develop a CMS solution befitting the client's requirements.

**Self-hosted Website** Personal                    jamie-pinnington.co.uk                    **Present**
- Using GIN, HTMX, and Templ to serve a static website on a Raspberry Pi 5 to learn greater depths of web development.
- Running a full BTC node on the same device to support the Bitcoin network, in addition to serving the Remote Weather Collector.

**Remote Weather Collector** Personal                    **Present**
- Designing and building a weather station using a Raspberry Zero 2 W, that will run remotely via a solar panel and LoRa to collect weather data and imagery.

## Skills

**Technical Languages:** Latex, Python, Go, TypeScript, Bash, C#, Markdown, R, Tailwind

**Frameworks & Libraries** Git, TensorFlow, PyTorch, Keras, React, Gin, Next.js, Vite, Pandas, REST, RStudio

**Technologies:** Docker, WSL, Linux, Jira, Jupyter Notebooks,

## Voluntary                    Work

- **Lvl 3 Computer Science Course Representative** Providing support to Computer Science students, and forwarding issues internally.
- **Student Assistant** Building and researching student guidance for Canterbury Christ Church University as apart of a team for academic usage of generative AI.