Fraser W Levack

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Education

University of Glasgow   SEPT 2022 – MAY 2026
Bachelor of Science with honors in Computer Science
- On track for **First-Class Award**.
- **Dissertation:** Researching/developing learning tools for **probabilistic model checking**.
- **Coursework:** Professional Software Development, Cyber Security, Algorithmics, Machine Learning,
  Functional Programming, Database Systems, Low Level Systems.

Professional Experience

Software Engineer Intern   MAY 2025 – AUG 2025
NCR Atleos
- Engineered a **Documentation-as-Code** pipeline for the XFS platform, modernizing the development workflow.
- Selected to present milestones at the global "All Hands", communicating to the entire company of **20,000 employees**.

Freelance Web Developer   AUG 2024 – MAY 2025
Dundee University, Duncan of Jordanstone College of Art & Design
- Architected a responsive front-end using **React** and **TypeScript**, ensuring a modern, accessible user interface.
- Led the end-to-end development lifecycle as the sole developer, utilizing **Agile methodologies**.

Software Team Chair   SEPT 2024 – MAR 2025
Off Axis Gigs
- Integrated **third-party APIs** including Spotify for artist metadata and Stripe for secure payment processing.
- Coordinating **team-client meetings**, as well as organizing milestones/deadlines.

Other Part-Time Work: Mobile App Developer, Pharmacy Assistant, Pool Lifeguard.

Projects

CPaint   *CPaint* ⬈
- A compact **graphics editor** which has multiple colours, an undo feature and other functions.
- Learned to effectively make **low level** programs and **manage memory correctly**. Built with: **C, OpenGL.**

Sled-Eval Library   *SledEval* ⬈
- A comprehensive **evaluation library** for easily calculating solutions when given a string of characters.
- Refined my understanding of **managing tokens** and **compiler design**. Built with: **C.**

Competitions & Hackathons

Do You Have The GUTS 2025
- Competed in the Morgan Stanley **simulation strategy** challenge.
- Designed and produced a rabbit colony simulation to **imitate real world environments**. Built with: **TypeScript.**

Code Olympics 2024
- Multiple smaller **coding challenges**. Showed proficiency in both **creative** and **technical** challenges.
- Solved problems with industry standard **data structures** and **algorithms**. Challenges solved with: **Python**

Certifications

Atlassian: Agile Project Management Professional Certificate. **GitHub:** Career Essentials, GitHub Professional Certificate

Societies

Committee Member of : Glasgow University Tech Society.

Member of : Glasgow University AI Society, Glasgow University Book Society, V&A Dundee Museum YPC

Technologies

Languages: Typescript, Python, Java, C & C++, Haskell, PRISM, HTML & CSS,

Frameworks/Libraries: React, Django, Vite, Node.js, Firebase, PostgreSQL, Deno, Three.js, SDL & OpenGL

Tools: GitHub & GitLab, VS Code, Jira, JetBrains IDEs, WSL Unix / Ubuntu, GH Pages, Vercel, Figma