

Leo Battle

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I am a final year student in the University of Nottingham. My current interests include functional programming, hardware, scientific computing, and finance. I am also a member of my university's public speaking society, where I have learned how to more effectively communicate with groups of people in a professional environment.

EDUCATION

University of Nottingham

Computer Science BSc Hons

Nottingham, UK

Sep 2022 — Present

- Served as team leader on a year long group project
- Wrote a compiler in Haskell using monadic parsers
- Learned how to design hardware using an HDL

University of Nottingham Ningbo China

Ningbo, China

Jul 2024

- Attended an international business summer school, focusing on doing business in China

WORK EXPERIENCE

AI Trainer

DataAnnotation

Jan 2024 — May 2024

- Training next generation LLMs specialising in their application to programming tasks

Kitchen Porter

Shepherd Neame

Aug 2022 — Jan 2023

- Worked in a high pressure environment
- Quickly learned new skills in a job with flexible day to day requirements

PROJECTS

Team Leader, Centiport (https://gitlab.com/leo_battle/centiport-mirror)

Sep 2023 — May 2024

- Led a team of 8 developers, developing my project management skills by delegating tasks to other team members
- Wrote a cross platform abstraction layer for creating games in C++ for Windows and MacOS
- Gained experience in OS native APIs such as Win32 and Cocoa

Maintainer, OPSpellScript (github.com/Leowbattle/OPSpellScript)

- Created a tool to help investors discover valuable video game cosmetic items for trading

Developer, Buzzer (<https://github.com/leowbattle/buzzer>)

- Developed a tool to create music for the piezoelectric buzzer in a commercially sold hardware product
- Using web technology to easily deploy software to colleagues in other countries

Open Source Contributor, SymPy (sympy.org)

- Contributing bug fixes for a symbolic algebra system

Developer, Chess (leowbattle.itch.io/chess)

- Created a chess AI using a simple tree search algorithm

SKILLS AND AWARDS

- **Programming Languages:** C/C++, Python, Haskell, Rust, Lean, Java, C#, JavaScript, ARM Assembly, Swift, Lisp
- **Technologies:** Git, Anaconda, scikit-learn, SDL2, OpenGL, Deno, MySQL
- **Awards:** 2nd place HackTheMidlands 7, 2nd place UoN Annual Programming Comp, Group Project Honourable Mention
- **Interests:** Literature, Public Speaking, Sailing, Films