

Ethan Hosier

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EDUCATION

Imperial College London

Bachelor of Engineering in Computing

- Achieved First Class Honors in First Year

London, UK

Oct. 2022 – June 2025

EXPERIENCE

Full-Stack Software Developer, Founder

May 2023 – July 2023

321 Restaurants

London, UK

- Founded a software startup dedicated to empowering small, independent restaurants through affordable solutions.
- Conducted market research to understand industry needs and, as the sole full-stack software developer, developed a comprehensive content management system, dashboard and individualised websites.
- Gained valuable experience in product development, market analysis, and demonstrated proficiency in designing and implementing full-stack solutions.
- Technologies: *Typescript, React, Next.js, Firebase.*

HACKATHONS

AI Ventures Hackathon

January 2024

GILO Consulting - The AI-Powered Future of Consulting for Small Businesses & NGOs

London, UK

- Worked with two business students to create an AI-powered consulting platform, which we pitched to VCs.
- As the sole technical member of our team, developed gainshare contract generation, consultant profiles, a dashboard, and a chatbot custom-trained to match our clients directly to the most relevant consultants.
- Gained valuable experience working in a team with diverse skillsets and producing software quickly.
- Technologies: *TypeScript, React, Next.js, OpenAI API*

SIDE PROJECTS

Large Language Model (GPT) | *Python, PyTorch, Jupyter Notebook*

December 2023

- As a side project, used deep learning to develop a large language model from scratch, capable of generating human-like text using next token prediction.
- Extensively trained the model on the OpenWebText dataset with PyTorch and CUDA-enabled GPU acceleration.
- Built a python chatbot CLI to allow users to interact with the model through prompts.

Pop Up! | *JavaScript, React Native, Swift, Firebase*

February 2023 – March 2023

- Developed an MVP for my idea of a proximity-based social media mobile app.
- Implemented a unique feature where profiles of nearby app users dynamically pop up on users' phones as they walk past each other, facilitating real-time interactions.
- Designed and developed the app's user interface, animations and interactive features, ensuring an intuitive and seamless user experience.
- Successfully developed a custom native module using Swift to interface with the Google Nearby Messages API.

RSS Aggregator | *Golang, PostgreSQL, RESTful API*

November 2023 – December 2023

- As a side project, designed and implemented an efficient web scraper in Golang to parse and aggregate content from various RSS feeds.
- Integrated an API key-based authentication system to secure access to the RSS aggregator.
- Developed a RESTful API that allows users to interact with the RSS aggregator, including endpoints for adding, retrieving, and managing RSS feeds.
- Utilized PostgreSQL for the storage of scraped RSS feed data.

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, Golang, C, Scala, Haskell, SQL, HTML/CSS

Frameworks: React.js, Next.js, React Native, Node.js, Express.js, Tailwindcss

Libraries: PyTorch, Pandas, NumPy, Matplotlib, Scikit-learn

Developer Tools: Docker, MongoDB, Git, Jupyter Notebook, Firebase, AWS, Google Cloud Platform, Figma, VS Code, Visual Studio, PyCharm, IntelliJ, PgAdmin