

Ethan Crowson

Junior Software Engineer

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Education

Royal Holloway, University of London

BSc Computer Science (Hons)

Egham, England

Sep 2023 – May 2024

- Graduated with a First-Class Honours Degree.
- Averaged a 77% in my final year.
- Participated in the University Football League.

Relevant Modules: SE, OOP, Operating Systems, Software Language Engineering, Databases, Advanced Algorithms and Complexity, Computer and Network Security, User Centred Design, Functional Programming

Projects

Portfolio (ethancrowson.co.uk)

🐙/Portfolio

Tech Stack: HTML, CSS, JavaScript, Tailwind CSS

Dec 2024

- A simple portfolio website to showcase my previous projects and skillset.
- Features small details such as a light/dark mode toggle which is set to preferences automatically.
- Provides an easy way to get my contact details as well as a pdf of this resume.

Concurrent Game Environment

🐙/Concurency-Game-Playing-Environment

Tech Stack: Java, JavaFX, CSS, Apache Maven, JUnit

Sep 2023 – May 2024

- Designed a JavaFX application that can run multiple instances of chess or tic-tac-toe concurrently via multithreading.
- Created both chess and tic-tac-toe from scratch. Chess game allows user to play vs another player locally, against a very basic computer, or simulate a game of computer vs computer.
- Handled JavaFX application thread so that all instances could visually run at the same time.

Restful Service

🐙/restful-service

Tech Stack: Java, JUnit, Spring Boot, PostgreSQL, HTML/CSS, React, TailwindCSS

Sep 2023 – Present

- A RESTful web App developed with Spring Boot for a mock ecommerce company,
- Connects to a PostgreSQL database containing product information as well as customer details.
- Utilises React for improved SEO and performance.

CADdy Software Language

🐙/CADdy-Software-Language

Tech Stack: Java, JavaFX

Jan 2024 – Apr 2024

- Provides 3D shape generation via a simple language I designed which is connected to a JavaFX backend.
- Intended use is for CAD development for beginners so has domain specific types and operations to aid such as 'cube' and 'sphere'.
- Allows for if/else and if/do as well as while and for statements.

Oaxaca Website

🐙/Oaxaca-website

Tech Stack: Python, Django, PostgreSQL, HTML/CSS/JavaScript

Jan 2023 – May 2023

- A web app designed collaboratively in a scrum environment during my second year at university. It is a mock-up of a restaurant system software.
- Connects to a PostgreSQL database containing product information as well as customer details.
- Customers can log in, order, and pay. Kitchen staff can see the orders come in and update their status.

Skills

Programming Java, Python, C, HTML/CSS/JavaScript, Tailwind CSS, SQL,
Tools Git, Apache Maven, Spring Boot, Django, Eclipse, PostgreSQL