Cameron Thomas

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cst.dev

PROFILE

BSc Computer Science graduate from the University of Birmingham (Class of 2024), achieving First Class with Honours. Passionate about software development with strong foundational knowledge in both object-oriented and procedural programming languages. Equipped with critical thinking skills, hands-on project experience, including agile development practices, and an eagerness to apply advanced computer science concepts to real-world challenges.

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, HTML + tailwindCSS

Frameworks & Libraries: React, FastAPI, Springboot, TailwindCSS, D3.js

Tools & Platforms: Git, Unix CLI, PostgreSQL, NodeJS

PROJECTS

1. Personal Website (cst.dev):
   - Designed and developed a creative portfolio website that emulates the look and feel of Visual Studio Code. The website serves as both a professional portfolio and project showcase, presenting webpages in a clear, structured format while incorporating key elements of a code editor interface.
2. Project SAM (Spotify Artist Map):
   - Implemented an algorithm integrated with the Spotify API to map and visualize artist collaborations as graphs. The project aims to efficiently display connections between two selected artists, optimizing API interactions to handle large data sets.
3. Gameified Experiment into recognition based response time (LyricLabs):
   - Developed as part of my dissertation, this gamified experiment collects data on user response times in a music recognition context. The software gathers statistical data for analysis, with a focus on cognitive impact and user familiarity.

Codebases and hosted versions are available through my website

OTHER

Goldman Sachs Scholar

April 2022 - June 2024

Selected for the Goldman Sachs Scholars program, gaining valuable insights into investment banking, software engineering in financial services, and the application process for multinational corporations. Developed a deeper understanding of the intersection between technology and finance, while networking with professionals from a leading global firm.

EDUCATION

University of Birmingham, Birmingham

Bachelours of Science with Honours, Class I (Computer Science)

September 2021 - July 2024

Key Modules:

- Data Structures and Algorithms
- Algorithms and Complexity
- Advanced Networking
- Security of real-world Systems
- Intelligent Interactive Systems
- Software Engineering and Professional Practice
- Operating Systems and Systems Programming

King Edwards VI College, Stourbridge

A levels

September 2019 - June 2021

- Mathematics: A
- Computer Science: A
- Physics: B

Thorns Collegiate Academy, Dudley

Achieved 9 GCSES, Including Key Subjects:

September 2014 - June 2019

- Mathematics: 7
- Computer Science: 8
- English Language: 7