Hannah Luu

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PROJECTS

Optimisation Algorithms (Google HashCode 2017) - [GitHub Repository](#) | 🗎 Optimisation Algorithms - 22336550 | (Java)

- Given the Google HashCode 2017 Problem, I researched, implemented and designed various data structures and algorithms - focusing on maximising the efficiency of the solution.
- I developed solutions which addressed constraints given in the problem. Given the restrictions, I was able to adapt to the problem and enhance my problem solving skills.
- I documented the process in a logical and concise manner within a 9 page report which allowed me to communicate my solution legibly.

Student Job Portal - [Live Demo](#) | (Liferay DXP, HTML, CSS)

- Working with LifeRay, I collaborated with my team to create a Student Job Portal which streamlines the hiring process for students, graduates, and recruiters.
- Using a high-level version of OOP, I was responsible for all interactions coming from the company side involving the Job Postings page, Company List page, Candidate Information page and automating the Company Information page process for each company.

American Flight Analysis - [GitHub Repository](#) (Java & Java Processing)

- I used Java Processing with a team of 4 to present data of over 500,000 American flights by implementing efficient Data Structures and Algorithms.
- I was responsible for the front-end development of the application. I designed and implemented all the pages and visualised the data to show relevant information.

EDUCATION

B.A, COMPUTER SCIENCE - Trinity College Dublin

SEPT 2022 - MAY 2026

1st Year Modules

Introduction to Programming I&II · Introduction to Computing I&II · Mathematics I&II · Digital Logic Design · Electronics & Information Technology · Statistical Analysis I · Programming Project · Computers and Society

2nd Year Modules

Algorithms & Data Structures I&II · Computer Architecture · Discrete Mathematics · Information Management · Applied Probability I&II · Systems Programming · Concurrent Systems and Operation Systems · Software Engineering Project · Microprocessor Systems

EXPERIENCE

Student2Student Mentor - Trinity College Dublin

- As a mentor, I guide incoming first-year students of Computer Science. I organise weekly events, detail current news and assist students with any queries they may have.

LANGUAGES & SKILLS

Java · Python · C · HTML · CSS · JavaScript · ARM Assembly · R · VHDL · XML · MatLab · Verilog · Git

CERTIFICATIONS & ACHIEVEMENTS

Trinity College Dublin

- Awarded Professor John G. Byrne Scholarship in November 2022

Workday

- Future Females in Tech 2024 Participant

LinkedIn Learning

- Java Object-Oriented Programming Course
- HTML Essential Training
- Learning GitLab Online Class
- Basic Version Control with Git Online Class
- Learning C Online Class
- Debugging C Code Online Class

INTERESTS & HOBBIES

Football, Volleyball, Chess, Poker, Rock Climbing, Singing & Dancing.