





# Fairson Soares

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## Professional Experience

### Graham Care Group

*Professional Placement Year*

*Addlestone, UK  
June 2023 – July 2024*

- Maintained and implemented a real-time healthcare analytics Power BI dashboards processing 50K+ daily patient records, improving data processing and organisational efficiency through optimized SQL stored procedures and Power Automate Flows
- Developed a compliance staff monitoring system handling 13 care homes, reducing audit preparation time by 65% through automated report generation
- Developed a ETL pipeline using Power Automate and SQL procedures, processing 10K+ monthly records of resident vital signs data allowing healthcare staff to better monitor residents

## Professional Development

### Bloomberg Tech Lab Fellow

*April 2024 – August 2024*

- Selected as one of 24 fellows from 200+ applicants for intensive software engineering mentorship program (1-week intensive onsite followed by 4-month remote mentorship)
- Developed a Python Based Portfolio manager using Docker and Jupyter Notebook
- Completed system design and distributed systems workshops and participated in DSA and system design based mock interviews

### Bloomberg Summer Accelerator Bootcamp

*July 2024 – July 2024*

- Participated in Algorithms and DSA workshops + interview prep
- Covered key concepts such as algorithm data structures and algorithmic time and space complexity

## Personal Projects

### Domain Sphere – Software Platform

*Django, TailWindCSS, OpenAI, MySQL*

- Built a trademark database using Python and BeautifulSoup to scrape and store records from the UK Intellectual Property Office records
- Created an AI name generator that suggests business names based on industry and keywords, validating each against the scraped trademark database
- Developed a dashboard using Django and TailwindCSS to manage and display trademark availability results
- Implemented secure user authentication with DjangoAllAuth as well as Stripe integration

### Mobile App – [Mindscribe](#)

*React Native*

- Developed the front-end mobile interface with React Native to enable speech-to-text journaling functionality.
- Implemented voice speech-to-text transcription with 85% accuracy using React-Native-Voice library.

### Portfolio Manager

*Python, Docker*

- Developed a Python Based Portfolio Manager covering financial concepts such as securities, positions, accounts and portfolio
- Implemented OOP principles, and leveraged Jupyter notebook to build a suitable solution.

## Education

### University of Surrey BSc Computer Science (2:1 : Expected)

*Sept 2021 – Expected May 2025*

- **Relevant Coursework:** Distributed Systems, Advanced Algorithms, ML/AI, Software Engineering

## Certifications & Achievements

## Skills

- **SQL Basic** – Hacker Rank
- **Software Engineering Simulation** – JP Morgan
- **Python Basic** – Hacker Rank
- **SQL (Intermediate and Advanced)** – London Academy of IT
- **Problem Solving** – 170+ DSA Problems solved

**Programming Languages:** Python, Javascript, SQL

**Computer Science Fundamentals:** Algorithms, Data Structures, Object-Oriented Design, Complexity Analysis

**Technologies/Tools:** Django, React, React Native, Power Automate, Power BI, Power Apps, Jupyter Notebook, Docker, Flask, MS SQL Server