

Daniel Rodrigues

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EDUCATION

BSc (Hons) Computer Science; *First Class Honours (Expected)*

Sep. 2020 – June 2024

Brunel University

London, United Kingdom

- **Relevant modules:** Group Project (Full Stack Web Development) (A*); Algorithms and their Applications (A*); Software Development and Management (A+); Networks and Operating Systems (A*)

UAL Extended Diploma in Creative Media Production and Technology; *Distinction*

Sep. 2018 – July 2020

Uxbridge College (HCUC)

London, United Kingdom

WORK EXPERIENCE

Full Stack Software Engineer Intern

June 2022 – June 2023

Nomura International Plc

London, United Kingdom

- Led the development of a React.js Micro-frontend architecture for a new UI project.
- Developed an end-to-end fullstack login service using Spring Security, LDAP authentication, and React.
- Built a document retrieval backend API using Java Springboot, MySQL, and the MVC pattern.
- Decreased team's React development time by 50% by creating an optimized React component library.
- Mentored two inexperienced team members in JavaScript and React by hosting peer-programming sessions, reviewing their code and often suggesting optimisations.
- Automated the deployment of multiple projects by implementing a Jenkins CI/CD pipeline with Docker.
- Created a backend-for-frontend style Express.js server to handle serving microfrontends applications.

Data Science Intern

June 2021 – July 2021

ICIS (LexisNexis Risk Solutions Group)

London, United Kingdom

- Worked on a Python web analytics project, involving 90 million rows of user-generated data.
- Carried out data preprocessing, statistical modelling, and deep learning analyses, and prepared visualisations as graphs and dashboards using Jupyter notebook and python.

PERSONAL PROJECTS

CodeWalker (Fullstack Webapp):

- Created a website with React and Springboot to run code and perform multiple checks and tests on it to help classmates struggling to pass their coding assignments.
- Website was used by dozens of classmates to prepare for tests and assignments through the year.

Frontend: <https://codewalker-cs2004.netlify.app/>

Backend: [Google Drive Link](#) (JAR file; can be run on desktop as an executable.)

Personal Portfolio Website:

- <https://theaughat.github.io/personal-portfolio/> (Created using React.js).

KEY SKILLS

- **Languages / Scripting:** Java, Python, JavaScript, HTML / CSS, Linux Bash / Shell
- **Libraries / Frameworks:** Java Spring, React.js, NodeJS, Express.js, Material UI, Sklearn, Pandas, NumPy
- **Software / Tools:** MySQL, Git, CI/CD (Jenkins), Containerization (Docker, Podman), Microservices, REST APIs, Micro-Frontends, Jupyter Notebook, Google Colab

HOBBIES AND INTERESTS

Reading science-fiction novels; Games development; Digital art and illustration; Creative writing; following the latest news in sci-tech spheres like AI & physics research, space exploration, and futurism.