

Daniel Rodrigues

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KEY SKILLS

- **Languages / Scripting:** JavaScript, Java, Python, HTML / CSS, Shell / Bash
- **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, Micro-Frontends, Jupyter Notebook, Google Colab

EDUCATION

Sep. 2020 – June 2024

Expected Grade: First Class, BSc (Hons) Computer Science

London, United Kingdom

Brunel University London

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

Sep. 2018 – July 2020

Distinction, UAL Extended Diploma in Creative Media Production and Technology

London, United Kingdom

Uxbridge College (HCUC)

WORK EXPERIENCE

June 2022 – June 2023

Technology Placement Intern (Fullstack Software Engineer)

London, United Kingdom

Nomura International Plc

- Independently 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.
- Wrote a document retrieval backend feature using Java Springboot, MySQL, and the MVC pattern.
- Decreased development time of new pages by creating an optimized common-component react library.
- Mentored two inexperienced team members in JavaScript and React by hosting peer-programming sessions, reviewing their code and often suggesting optimisations.
- Automated the build and deployment of multiple projects by implementing a Jenkins CI/CD pipeline.
- Created a backend-for-frontend style Express.js server to handle serving the microfrontends better.

June 2021 – July 2021

Data Science Intern

London, United Kingdom

ICIS (LexisNexis Risk Solutions Group)

- 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).

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.