

Khesim A. Reid

SOFTWARE ENGINEER

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Education

UCL

London, UK

MSC SOFTWARE SYSTEMS ENGINEERING - DISTINCTION

2020 - 2021

- **Notable Course Units:** Requirements Engineering and Software Architecture; Software Abstractions and Systems Integration; Tools and Environments; Complex Networks and Web

University of Manchester

Manchester, UK

BSc (HONS) COMPUTER SCIENCE - 1ST CLASS

2017 - 2020

- **Subject Areas:** Algorithms, Artificial Intelligence, Computer Architecture, Distributed Computing, Programming, Software Engineering

Skills

Currently Using Java, JavaScript, Typescript, HTML & CSS, Scala

Previous Work Python, C#, SQL

Experience

Amazon

London, UK

SOFTWARE DEVELOPMENT ENGINEER

October 2021 - Present

- Currently working as a full-stack software engineer in the Prime Video Website client team.
- Developing frontend widgets in React.js and backend APIs in Scala for integrating with dependency services to deliver for our customers.
- Features worked on include Parental Controls, Viewing Restrictions and Devices Management.

Barclays

Glasgow, UK

SUMMER TECHNOLOGY DEVELOPER

July 2020 - August 2020

- Interned in the Chief Technology Office (CTO) team of architects, while also serving as a software developer, in an intern team, on a machine learning project. As an architect intern, ensured that the machine learning project adhered to and furthered the firm's technology strategies.
- Utilised Anaconda and AWS to develop machine learning models for analysing and classifying batches of FNZ trade data generated during the Covid-19 Pandemic.
- Our intern team won the prize for the best intern project within the Wealth Processing transaction cycle.

Previous Projects

Node-RED Quantum

[HTTPS://NODE-RED-QUANTUM.GITHUB.IO/](https://node-red-quantum.github.io/)

June 2021 - September 2021

- Node-RED Quantum is a library of nodes for use in Node-RED which allows users to build quantum programs as graphical flows by dragging, dropping and connecting these nodes.
- Node-RED Quantum was a UCL Industry Exchange Network team project done in partnership with IBM. It was built using JavaScript and produces Qiskit code for quantum programs based on the graphical flow created by the user.
- For this project, I served as the team lead and was responsible for leading the team, managing goals and timelines and liaising with stakeholders while still working as a software developer.

ORCA: Online Register for Classes with Analytics

[HTTPS://GITHUB.COM/UCL-ORCA/ORCA](https://github.com/UCL-ORCA/ORCA)

November 2020 - April 2021

- ORCA is a web application for use by academic institutions to monitor students' engagement with online learning in a non-obtrusive way.
- ORCA allows academic staff to gather and visualise data on students' use of online learning platforms to allow them to keep track of student well-being and to assess the effectiveness of the online learning materials made available for students.
- ORCA was a team project completed by UCL MSc students in partnership with Microsoft, as part of the UCL Industry Exchange Network.
- I was responsible for implementing the event aggregator which combined logs of student activities from various learning platforms into one standard format for storage in SharePoint Lists. I was also responsible for creating the scripts which would allow students to request their stored data or delete it, in order to comply with GDPR regulations.