

Education

MEng. Electronic & Information Engineering (2:1)

Imperial College London – London, United Kingdom

Work Experience

Senior Software Engineer – Signal AI

January 2022 – Present London, United Kingdom

- Full Stack Developer using **Python/Clojure/React/Javascript** on **AWS** with **Terraform**
- Introduced a new data pipeline for Social Media data extraction using **NLP** models in real time.
- Successfully delivered social media monitoring features that addressed a gap in the product offering, leading to a 21% reduction in lost deals within the first three months of release.
- Developed a platform that allowed Operations to validate the quality of ML models against production data, increasing the rate at which client model requests were fulfilled by 10x.

Software Engineer – JP Morgan Chase & Co.

September 2019 – December 2021 London, United Kingdom

- **Python** Software Engineer on the Athena Platform, working in Market Data/E-Trading.
- Developed monitoring frameworks to optimize storage and access models for market data usage on Athena.
- Built web apps using **React** and **Redux** for Market Data batch job monitoring and issue resolution.
- Led Agile team activities, including daily Scrums, Sprint Planning, and Retrospectives.

Undergraduate Teaching Assistant – Imperial College London

January – March 2019 London, United Kingdom

- Teaching assistant for the C++ Algorithms & Data Structures course.
- Organized class demonstrations for students, invigilating class exams & coursework.

Software Engineering Industrial Placement – JP Morgan Chase & Co.

April – September 2018 London, United Kingdom

- Python Software Engineer in Market Risk, working on the Athena Platform.
- Developed applications alongside quants used to model and visualize liquidity in markets.

Software Engineering Intern – YouView TV Limited

July – September 2017 London, United Kingdom

- C/C++ Software Engineer in the Architecture Team, working on MPEG-DASH Trick-play.
- Usage of GStreamer, Boost and Broadcom C++ libraries for video streaming.

Summer Intern – Ganesha Operations

June – July 2014 Bandung, Indonesia

- Developed an application that verifies the identity of the student in a MySQL database.

Projects

JPMC Force For Good: Autistica

October 2019 – June 2020 London, United Kingdom

- Developed a platform used to gather data from autistic/non-autistic volunteers for Autism at Work research.
- Managed a team of 5 other software engineers to develop the platform in an 8 month timeframe.

Extra-Curricular

Mentorship Director – Young Indonesian Professionals Association UK

June 2019 – December 2021 London, United Kingdom

- Organize the mentorship program between Indonesian professionals and university students.
- Raised £2500 each year from sponsors for 2 years in a row.

Skills & Interests

Computer Skills: Python, Clojure, Typescript/Javascript, React, Redux, Bash, Linux, Tensorflow, Darknet, Docker, CI/CD, AWS, NLP, Tensorflow, PyTorch, Terraform, Airflow, Elasticsearch, PostgreSQL, C++

Interests: Natural Language Processing, Timeseries Forecasting, Mobile Robotics, Computer Vision

Languages: English (Professional), Indonesian (Native), Mandarin (Beginner), German (Beginner)