

Vincent Wong

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EXPERIENCE

Atlassian (Automation Platform) | Java, TypeScript, AWS

Mid-Level Software Engineer

Apr 2024 - Present

- Architected and led migration from API Gateways to Elastic Load Balancers for FedRAMP compliance.
- Designed property injection solution in Java to share configuration properties across over 30 Lambdas.
- Mentored new graduate engineer on Automation Platform's AWS architecture and ongoing scaling work.

Graduate Software Engineer

Jan 2023 - Mar 2024

- Improved platform resiliency by creating support tools to replay over 90% of failed Automation rules.
- Reduced rollback recovery time to under 10 minutes by automating processes in AWS provisioning.
- Enhanced email sending for over 50,000 customers by implementing per-tenant sender addresses.
- Supported enterprise customer workloads by implementing long-running import and export services.
- Attained 1st place in the company hackathon for DevEx by categorising work using Jira Automation.

IMC Trading | Java, Python, Pandas

Intern Software Engineer

Dec 2021 - Feb 2022

- Supported data enrichment for over 200,000 orders by optimising a real-time data-matching algorithm.
- Enhanced knowledge for over 1,500 listings by creating a backtesting framework in Java and Python.
- Implemented an autotrader in Python with WebSocket and HTTPX for a simulated exchange exercise.

Ventia | PL/SQL, Python, JavaScript

Developer (Part-Time)

Sep 2019 - Nov 2021

- Refined financial analysis capability for over 50,000 work orders by generating reports in PL/SQL.
- Automated entry for over 50 daily work orders by writing a web scraper in Python and Selenium.
- Streamlined rates card entry process for over 40,000 items by creating a web importer in JavaScript.

EDUCATION

University of New South Wales

B.S. Computer Science, B.S. Mathematics (HD WAM)

Feb 2019 - Dec 2022

- Highly commended on the 2020 Engineering Dean's List for strong undergraduate performance.

PROJECTS

CubeSim - Rubik's Cube Solver | Rust, Criterion

github.com/V-Wong/CubeSimRS

- Released a Rust-based Rubik's Cube solver library on Crates, the official Rust package registry.
- Optimised data structures by benchmarking with Criterion to efficiently model a 3x3 Rubik's Cube.

Huffman Visualiser | TypeScript, HTML5 Canvas

github.com/V-Wong/Huffman-Encoding

- Developed a web app to render the Huffman algorithm using TypeScript and HTML5 Canvas.
- Showcased by the lecturer to over 200 students in MATH3411, a UNSW mathematics course.

LinkUp - Events Tracker | JavaScript, React, Python, AWS

linkupevents.com

- Collaborated with a team of 5 UNSW students to create a web platform for university events.
- Maintained a monthly user base of over 700 UNSW students from late 2019 to early 2020.