EUGENIA VUONG

https://github.com/eugeniavuong | eugeniavuong7@gmail.com | +44 7563604675 | London United Kingdom
https://geenievuong.vercel.app/

WORK EXPERIENCE

Associate Software Engineer, Publics Sapient — Sep 2022 - Present

Java Developer

- Led a team of developers, building features and fixing faults and bringing them into production. I was also responsible for maintaining repos in github, reviewing PRs and using tools like SonarQube to analyse code quality.
- Develop Java Spring Boot REST APIs connected to Cassandra No-SQL databases and Db2 IBM databases. These endpoints were built based on customer requirements and use cases.
- Fixing production incidences e.g. an API gateway misconfiguration fix leading to 42% reduction in errors.
- Built the resilience solution to a new SoE by building a streaming pipeline as part of a data migration process using Kafka and CDC.

Web Developer (pro-bono project)

- Re-designing a website to make it easily maintainable for the client hosting it on Wordpress
- Developed an accessible UI with HTML, CSS, JavaScript and PHP based on designed worked on with the experience team on Figma.
- Web load time reduced 28%, and donations increase 15% since the first launch of the new site.

NOTABLE PROJECTS

BioPredX: ML Cancer Detection Pipeline — Apr 2020 - Aug 2021

- Building a machine learning pipeline with recursive feature elimination to predict biomarker(s) associated with cancer. Predictive markers were generated from next genome sequencing data of biological samples (diseased and healthy).
- Developed the pipeline in python, using ML libraries e.g. scikit learn and imbalance learn and containerised the pipeline using Docker.

NeuroTone: Biotherapeutic iGEM Competition — Jun 2020 - Nov 2020

- Part of a team of students competing in a global synthetic competition to synthetically engineer a biotherapeutic to delay the onset of neurodegenerative diseases. Collaborated with universities across the globe organising virtual events, workshops and a podcast on Spotify.
- Collaborated with the math students to improve an existing computational model to understand the behaviour of the targeted bacterium under simulated conditions. The improvements were built using a python library COBRApy.
- Built the website for the project, a key project deliverable for judging using HTML, CSS, JavaScript.

User Listening Habits Report — Current

- Currently developing a pipeline to process music streaming data and generate daily reports on user listening habits. This project will involve ingesting data, processing it to extract meaningful insights, and storing the results in a way that can be easily accessed and analysed.

EDUCATION

Master of Science in Computer Science — Sep 2019 - Oct 2020

University of Newcastle, Distinction 81%
- Key modules include Database Systems, Advanced Java programming, Group Project

Bachelor of Biology — Aug 2015 - Aug 2019

University of Nottingham, First 71%
- Key Modules: Bioinformatics with R, Human Physiology, Microbiology and Disease.

ADDITIONAL INFORMATION

- **Programming languages:** Java, Python, R, HTML, CSS, JavaScript, TypeScript.
- **Languages:** English, Cantonese (native)
- **Certifications:** Azure Fundamentals AZ-900
- **Awards/Activities:** Google TechMaker Speaker (2023), Publicis Sapient Core Value Award - learning mindset (2023), PS Hackathon semi-finalist (2023), Course Representative - Most Improved School (2021), iGEM Gold Award (2020)