Eugenia Vuong

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https://github.com/eugeniavuong

Relevant Employment

Associate Software Engineer at Publicis Sapient | Sep 2022 – current
- Java developer lead Spring Boot REST APIs, unit tests as well as modifying software components to fix faults, bringing these all the way through to production. A particular API gateway misconfiguration fix leading to leading to 42% reduction in errors.
- Building a one time hydration API solution as part of a Kafka streaming pipeline project to resolve missing data within the new SoE.

CodeAid Charity| Oct 2022 – current
- Re-building an outdate website on WordPress using HTML, CSS and PHP to improve traffic and maintainability.
- Web load time reduced 28%, and donations increase 15% since the first launch of the new site.

Accessibility Chrome Extension UI Designer| Oct 2022 – May 2023
- Creating people friendly wireframes using scientifically driven designs for accessible use as well as incorporating customizable and adaptable design iterations to consider all users of our accessibility tool.

Projects and Leadership Experience

AI Chatbot for imported csv data | Feb 2024
- Leveraged LangChain with HuggingFace, streamlit and python to build an application where you can load your own csv file and ask questions about it's content using natural language.

Publicis Sapient ASPIRE Hackathon | Apr 2023 (2 days)
- React developer and project lead building an e-waste platform integrated with our company's custom inhouse AI platform. Providing analytics on user's progress towards a carbon neutral lifestyle.
- Awarded a semi-finalist team.

Head of Online Collaborations and Web Designer for the Nottingham iGEM team | Jun 2020 – Nov 2020
- Used computational modelling techniques to build a structural model of *Clostridium sporogenes* and combining the synthetic pathway I designed to understand the behaviour of the bacterium under computationally simulated conditions.
- Developed a website using HTML, CSS and Javascript https://2020.igem.org/Team:Nottingham

Education

Master of Science, **Computer Science at University of Newcastle** - **Distinction 81%**, **2022**
- Dissertation project: a ML biomarker selection pipeline using NGS count data for cancer detection and diagnosis. Containerised using Docker.

Bachelor of Science, Biology at University of Nottingham. – First 71%, 2021
- Bioinformatics, R, MyPol protein modelling, Human Physiology, Microbiology and Disease.

Skills and Accomplishments

Guest Speaker Google TechMaker IWD event | Mar 2023
- Led a group presentation in a podcast style conversation about our personal experiences going into tech as women, touching on topics like the gender pay gap, role models, education, and stereotypes.

Coding Skill Matrix: Java, React, HTML, CSS, JavaScript, Python, PHP, R, XML, Apache Kafka, Jenkins, UrbanCodeDeploy, Dynatrace, Splunk, CyberArk, Docker.
Certifications: Azure Fundamentals AZ-900, CS50s in Artificial Intelligence with Python.