CANYON ZHANG (301) 473-2179 | CANYONZH@USC.EDU

EDUCATION

University of Southern California   AUG 2020 – MAY 2024
B.S. Computer Science
GPA: 3.78/4.0 | University Scholarship | Tuition Exchange Scholarship
Thematic Option Humanities Honors Program

WORK EXPERIENCE

IBM — Software Engineering Intern (Full-Stack)
MAY 2023 – AUG 2023
- Developed Notification Center and Navigation Bar of the Data Observation Platform for the Enterprise Performance Management subdivision, allowing data engineers and subject matter experts to monitor data validation tasks and streamline error discovery. *(Vue.js, Node/Express.js, NoSQL, CloudantDB/CouchDB, SCSS)*
- Developed and deployed a consumer application for monitoring job completion statuses on an Apache Kafka pod within a larger Kubernetes cluster to generate data and populate tables in Cloudant. *(Python, Kubernetes, Apache Kafka)*

AstraZeneca — Software Engineering Intern (Data)
MAY 2022 – AUG 2022
- Developed an application for automating the request and distribution of server resources across AstraZeneca's data science teams, increasing resource usage efficiency *(Databricks, Databricks REST API, Java, HTML/CSS)*
- Investigated outlier detection techniques and built classification models to enhance overall data quality, streamlining the migration of clean data from Salesforce to Celonis for mining process bottlenecks in delivering patient medications *(Python)*

University of Southern California – Teaching Assistant
SEP 2022 – PRESENT
- Hold weekly office hours to assist students with programming assignments and exam preparation, and help grade exams. *(Introduction to Operating Systems, Programming in Python)*

National Cancer Institute – Bioinformatics Research Intern
June 2021 – August 2021, June 2019 – June 2020
- Employed imaging software to generate 2D and 3D animated cell models, precisely identifying structures crucial to the lab's research focuses
- Designed and implemented a relational database to track measurements of cell structures

INVOLVEMENT

SHIFT SC — Collaborating with a team of 4 to develop the first ever student-led curriculum on AI ethics as a part of the Applied Artificial Intelligence minor set to launch at USC.

JEP Volunteer — Participated in the "Little Yoginis" community service program at USC. Led weekly yoga lessons with a kindergarten class, reading stories to them and connecting lessons from the books to our practice.

SKILLS

Languages — Python, JavaScript, C++, C, Swift, Java, HTML/SCSS, TypeScript, NoSQL, SQL

Frameworks/Technologies — Vue.js, Node.js/Express.js, git/Github, SwiftUI, Cloudant/CouchDB, React.js, Jira, MongoDB/Mongoose, Firebase, MySQL, PlanetScale/Vercel, Tailwind, Postman