Shania Kiat

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EXPERIENCE

Vanguard – *Software Engineer* August 2021 – Present

- Develop and maintain various features for investment portfolio and transaction micro frontends and services by using Angular 10, Express.js, D3.js, and Honeycomb to enhance new robo-advisor product.
- Refactor legacy codebase to improve application functionality, reduce repetitive code, and improve accessibility for 30,000+ investors.
- Mentor new developers and create written documentation of procedures and tools, collaborative working sessions, and delegation of tasks strategically designed to get new developers up to speed.
- Ensure code quality assurance by creating unit and integration tests utilizing Jest and maintain 99% code coverage for branches, functions, lines, and statements.
- Participate in Technology Leadership Program by focusing on technical development, product management, and leadership training.

Vanguard – *Software Engineering Intern* May 2020 – July 2020

- Implemented a web application for the financial advisors to test client-tailored portfolio using Angular 8.
- Collaborated with a team of interns to develop a full-stack application of Vanguard internal e-commerce using MongoDB, Express.js, Angular 8, Node.js.

Tegra Analytics – *Data Science Intern* May 2019 – August 2019

- Performed exploratory data analysis for 10,000+ doctors and Parkinson's disease products to prepare for predictive modeling.
- Implemented machine learning algorithms such as Time Series and K-Means clustering in Python to target new customer groups for a new Parkinson's disease product.

La Salle University – *Undergraduate Student Researcher* May 2019 – October 2019

- Conducted research with Dr. Timothy Highley based on Tropical Vertex-Disjoint Cycles of a Vertex-Colored Digraph: Barter Exchange with Multiple Items Per Agent.
- Applied reduction techniques based on other NP-Complete related problems to determine the hardness of the tropical exchange problem.

TECHNICAL SKILLS

Programming Languages: Java, Typescript, JavaScript (Angular 10, Express, Node.js, React), HTML/CSS
Database and Dev Tools: Git, MongoDB, MySQL, AWS, Honeycomb, Jest, Visual Studio Code

EDUCATION

La Salle University Philadelphia, PA
Bachelor of Science in Computer Science | Minor in Mathematics May 2021
maxima cum laude, 3.8 GPA

PROJECTS

Virtual Chef (Senior Project)

- Developed a full-stack application that generates ingredients and recipes predictions based on the user's preferences. The predictions are made by using neural networks, word2vec.
- Utilized: MongoDB, Express.js, React, Node.js, D3.js, Redux, Python, Flask, and Heroku

Gratis (Major League Hacking's HackWCU Hackathon)

- Designed a web application that aims to provide a platform that connects shelters with businesses (restaurants/cafeterias) that have surplus food to provide a solution to the hunger problem in Philadelphia.
- Utilized: MongoDB, Express.js, React, Node.js

AWARDS

Placed 1st in the Major League Hacking's HackWCU Hackathon at West Chester University
Placed 2nd in the ACM-ICPC Mid-Atlantic Regional 2019 Programming Competition at Washington College
IT Leadership Award from La Salle University Computer Science Advisory Board
Member of Upsilon Pi Epsilon Computer Science Honors Society

ACTIVITIES

Women in Science Club 2018 – 2021
La Salle University Mathematics Tutor 2018 – 2019
Association for Computing Machinery (ACM) 2017 – 2021