Shania Kiat

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EDUCATION

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

TECHNICAL SKILLS

Programming Languages: Java, JavaScript (Angular 8+, Express.js, Node.js, React, Gatsby), HTML/CSS, Python
Development Tools: Git, Visual Studio Code, IntelliJ IDEA CE, Android Studio, Adobe Illustrator, Adobe XD
Database and Other Tools: MongoDB, SQL, Falcor Route

EXPERIENCE

Vanguard – Software Engineer, Digital Advisor August 2021 – Present

- Develop micro frontend application for portfolio page to display clients' asset allocation and investment performance using Angular 10, Express.js, Falcor Route.
- Refactor legacy codebase to enhance application functionality, reduce repetitive code, and improve web application accessibility for 30,000+ clients.

Vanguard – Software Engineering Intern, Enterprise Advice May 2020 – July 2020

- Implemented a web application for the financial advisors to test client-tailored portfolio rebalance engine using Angular 8, Vanguard UI Library, and Vanguard API.
- 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.

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

ACTIVITIES

Women in Science Club 2018 – 2021
La Salle University Mathematics Tutor 2018 – 2019
Association for Computing Machinery 2017 – 2021
La Salle University Programming Team 2017 – 2021