Shania Kiat

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EDUCATION

La Salle University — Philadelphia, PA
Bachelor of Science in Computer Science (3.94/4.0) — Anticipated Graduation: May 2021
Minor in Mathematics | Cumulative GPA (3.77/4.0)

EXPERIENCE

Vanguard — Malvern, PA
Application Development Intern — May 2020 – July 2020

- Developed a web application for the financial advisors to test the client-tailored portfolio rebalance engine using Angular 8, Vanguard UI Library, and Vanguard API.
- Ensured quality assurance by creating unit and end-to-end tests utilizing Jasmine.
- 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, LLC. — Doylestown, PA
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 Mathematics and Computer Science Department — Philadelphia, PA
Undergraduate Student Researcher — May 2019 – October 2019

- Conducted research with Dr. Timothy Highley based on his previous research; 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.

La Salle Mathematics and Computer Science Department — Philadelphia, PA
Mathematics Tutor — August 2018 – June 2019

- Tutored La Salle's undergraduate students in college Algebra, Precalculus, and Calculus I.

PROJECTS

Virtual Chef (Senior Project) — 2019 – 2020

- Developed a full-stack application that generates food 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 Hack WCU Hackathon) — March 2019

- Developed a web application that aims to provide a platform that connects businesses (restaurants/cafeterias) that have surplus food and shelters 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 2019 (Spring 2019)
National Science Foundation Scholarship (Spring 2018)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript (Gatsby, React, and Angular), Python
Development Tools: Visual Studio Code, IntelliJ IDEA CE, Android Studio, NetBeans, Eclipse, Git, Adobe Illustrator, Adobe inDesign, Adobe XD, Jupyter Notebook, PyCharm
Database and Other Tools: MongoDB, mySQL

ACTIVITIES

La Salle University Women in Science Club — 2018 – Present
Association for Computing Machinery — 2017 – Present

- *Vice President*

La Salle University Programming Team — 2017 – Present

- *Captain*