Lauren Ng

3rd year Undergrad Student passionate in creating technology for social good

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Experience

Microsoft - New Technologist Intern   June 2020 - August 2020

- Collaborated with a team of 5 to create a complete react-based web application
- Designed and implemented database and user authentication hosted on firebase to manage 2000+ posts and users
- Created an interactive data visualization (HighCharts, Typescript, Firebase) to display filtered data based on user's input and demographics of the commenters.

Pinterest Engage - Scholar   June 2020 - August 2020

- Selected as 1 out of 40 to participate in an intensive engineering program.
- Worked with ML engineer to solve technical problems (python and java) each week
- Actively engaged and participated in Q and A panels to gain insight into the tech industry

Meal Matchup - Software Developer   March 2020 - June 2020

- Open source project connecting over 1,500 leftover meals from cafeterias/restaurants to food shelters
- Using Firebase, React, and GraphQL to create scalable and clean application so non-developers can easily update our application
- Writing front-end code (Typescript, CSS, GraphQL) to implement existing design mockups.

Foster Business School - IT Assistant   March 2019 - Present

- Consulting with professors and staff to support staff with classroom technologies and event setups.
- Troubleshoot classroom on the spot, aid professors with quick and reliable support when in session, and perform technical setups for large events.
- Manage small technology (ie: laptops, clickers, etc) checkouts.

Selected Projects

Humble - Front-end Hackathon Project

- Designed and implemented interactive website(HTML, Javascript, CSS) with NodeJS
- Implemented features to filter and find specific non-profits with SQL database

Loku - Full-Stack Project

- Designed front-end mobile friendly application for users to find local businesses
- Implemented backend using React and Firebase to retrieve, record, and display the data

ShowerPower - iOS Application

- Using Swift and C++, Implemented feature to record and graph shower times of the user
- Implemented feature that allowed users to track shower times and compare with others

Dangers of Light - Data Visualization and Machine Learning

- Implemented feature to predict amount of light pollution for future years with python
- Found answers questions using Pearson's Correlation algorithm

Education

University of Washington,

Seattle, WA — *BS in Informatics: Data Science*

September 2018- June 2022

GPA: 3.62/4.0

Technical Skills

Programming

Python, R, Java, Javascript, HTML5, CSS, React, Typescript, Redux

Tools

NodesJS, git, MySQL, Unity, Firebase, Figma

Leadership

Dubstech Assistant Director

- strategized social media campaigns to *increase our participant* count by 250%.

- Managing *company partnerships* for our quarterly hackathons and workshops

Awards

WINFO 7th annual hackathon: Best Overall project (Shower Power)

WINFO 8th annual hackathon: Best Overall Project (Humble)

RESPECT2020 Research Paper (Experiences of Asian and Pacific Islander Women in Introductory Computing Courses)