KHANH NGUYEN

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Education

New York University 5/2022

- GPA: 3.8, B.A in Computer Science

Work Experience

Software Engineer Intern, **Orenda Inc** 6/2020 – 8/2020

- Designed an internal dashboard for clients to visualize daily electrical consumption in NYC in a team of 3. Helped the management team track the company's predictive peak
- Built API using Python, Flask, PostgreSQL and wrote frontend in React, recharts, styled-components. Deployed on AWS
- Sped up data scraping by 50% using asynchronous request batching

Software Engineer Intern, **FPT Software** 5/2019 – 8/2019

- Worked with clients from NSK Europe to maintain and add new features to the customers' inventory management system in a team of 15
- Learned Tomcat Server, Java Enterprise and OracleDB to contribute to the web application

Software Engineer Intern, **CNS Maryland** 1/2019 – 5/2019

- Contributed to the Climate Change project at Capital News Service and collaborated with team of 3 developers
- Prototyped a Twitter bot to visualize heat index, raising awareness about the impacts of extreme heat on low-income communities in Baltimore City
- Implemented the bot with Python, seaborn, OpenWeatherMap API and Twitter API

Software Projects

Schedge (git.io/JJu3m) 9/2019 – Present

- Maintained Schedge, an open source API for NYU course data, using Java and Javalin, to help students plan their courses easier and faster
- Built web scraper, data parser and API endpoint for courses sections data
- Refactored CLI to be more user-friendly and reduced the codebase by 20%

BUGS Website (git.io/JUnV2) 8/2020 – Present

- Remodeled and redesigned club's website using React and styled-components to attract more club members, leading to 20% increase in signing up during club fair
- Reduced codebase size by 50% while maintaining same functionality

Sentiment Analysis Project (git.io/JJp1M) 12/2019 – 1/2020

- Utilized machine-learning libraries to categorize 20,000 comments and 7,000 posts data into different content types and classify their sentiments
- Scraped and processed 18 MB of NYU subreddit data using Python, SQLite and Reddit API
- Observed an upward trend in the NYU subreddit with 60-70% positive contents

Technical Skills

- **Languages:** Java, Python, C, JavaScript, Haskell, HTML, CSS, PostgreSQL, SQLite
- **Technologies:** Flask, Javalin, React, Node.js, Git, Docker, AWS, Kubernetes