

Masato Nandate

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Education

California Polytechnic State University, San Luis Obispo – B.S. in Computer Science

Mar. 2024

Minor: Statistics

GPA: 3.83 (Magna Cum Laude)

Work Experience

Gap Inc. – Software Engineer Intern

Jun. 2023 – Aug. 2023

- Contributed to the Profile and Wallet IOS team for ecommerce mobile application, writing frontend components in Swift
- Partnered on the creation of a Swift package to streamline the adoption of SwiftUI components across the team's projects, incorporated requirements from the UI/UX team and guidance from team lead
- Monitored SonarQube to perform code analysis and identify areas for code quality improvement, re-writing segments of code to align with the teams Swift Lint syntax rules, and writing new linter rules for a consistent code style throughout codebase
- Participated in agile development processes, attending stand-up meetings, sprint planning, and retrospectives to ensure project milestones were met on schedule

Projects

PolyMaps Senior Project – Swift UIKit

- Designed and developed "PolyMaps" an application focusing on providing users with an augmented reality (AR) experience for navigating across campus using location and bearing based information
- Leveraged MapKit for precise mapping functionalities, ARKit for seamless augmented reality integration, and implementing MVC design pattern
- Designed a user-friendly interface that integrates mapping features, AR overlays, and user interactions, ensuring an intuitive experience for campus visitors

Sentence Compressor – PyTorch

- Designed and implemented a Natural Language Processing (NLP) project using PyTorch, focusing on developing a Recurrent Neural Network (RNN) with Long Short-Term Memory (LSTM) units
- Trained an LSTM-based model capable of effectively compressing raw input sentences, showcasing proficiency in deep learning, sequence modeling techniques, and machine learning pipeline
- Implemented preprocessing techniques to clean up and format raw input sentences to be fed into the model

Group Cart – MongoDB, Express, React, Node, Azure

- Collaborated on a roommate centered grocery management web application, developed with test-driven development, documented architectural diagrams, and CI/CD pipeline for automated Azure deployment
- Developed Rest API backend with Node.js and Express.js to handle user authentication with JWT, CRUD operations for grocery items, and implementing sign-in and registry of users
- Leveraged MongoDB to encrypt and store user information, link users to groups, and shopping lists for groups, ensuring efficient data retrieval and real-time updates

Skills

Programming Languages: Java, Python, C, Swift, JavaScript, MySQL, R, SAS

Frameworks/Technologies: Spark/Scala, React, Node, Express, UIKit, SwiftUI, MongoDB, Git, Pandas, NumPy, Unix

Extracurricular/Leadership

Computer Science Tutor – Cal Poly Computer Science Department

Sep. 2022 – Mar. 2024

- Assisted students in debugging code, troubleshooting errors, understanding complex algorithms, and enhancing their problem-solving skills and confidence in coding
- Displayed adeptness at breaking down intricate software anomalies into layman's terms, facilitating productive discussions and shared problem-solving

Data Analyst – Cal Poly Journalism Department

Sep. 2022 – Mar. 2024

- Collaborated closely with reporters and editors to identify key data points and design effective visual representations that complemented the content of each article
- Utilized data visualization tools such as R and Python to develop interactive charts, graphs, and infographics, translating raw data into easily digestible visual narratives

Cultural Chair – Nikkei Student Union

Apr. 2022 – Apr. 2023

- Organized a reflective event focused on Japanese American internment, drawing an attendance of approximately 100 participants, including local community members and students
- Exhibited public speaking skills as the host, providing context, introducing speakers, and facilitating discussions