COLBY TOMITA

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EDUCATION

POINT LOMA NAZARENE UNIVERSITY (PLNU) | SAN DIEGO, CA   **AUGUST 2020 – MAY 2024**

BACHELOR OF SCIENCE IN COMPUTER SCIENCE: SOFTWARE ENGINEERING

- DEAN LIST (FALL 2020 - 2022, SPRING 2021, 2023) GPA: 3.5
- Currently studying and completing 40+ courses, including: Calculus 2, Computer Architecture And Assembly Language, Data Analytics, Database Systems and Web Integrations, Data Structures and Algorithms, Data Visualization and Communication in R, Discrete Math, Programming Languages, Project Management, Operating Systems, Service Learning, Software Engineering, Introduction to Statistics, Topics in Security, Unix And Python Scripting

KOREA UNIVERSITY | Seoul, South Korea   **February 2022 – June 2022**

Study Abroad Program: Spring 2022

ACADEMIC EXPERIENCE

WATER RESERVOIR DATA PROJECT: PLNU   **SEPTEMBER 2023 – DECEMBER 2023**

- Devised and executed a comprehensive system for collecting and analyzing water reservoir storage data, facilitating crucial information availability for informed decision-making.
- Applied data processing methods such as normalization, cleansing, and time series analysis to guarantee the precision and reliability of collected data.
- Utilized Python, incorporating web scraping techniques via the requests module, to extract time series data for numerous reservoirs.
- Established robust data storage and retrieval procedures using PostgreSQL, ensuring streamlined data management and seamless integration with application features.
- Conducted in-depth research employing machine learning models from Python's SciKit-Learn library to forecast water reservoir storage values.
- Employed Django server to showcase data insights through interactive Plotly visualizations.

EXTRACURRICULAR AND PROFESSIONAL EXPERIENCE

PERMISO SECURITY | HONOLULU, HI   **JUNE 2023 – AUGUST 2023**

BACKEND DEVELOPMENT INTERN

- Implemented a scalable and efficient scanner that utilized API calls to scan AWS EC2 Elastic Network Interfaces.
- Developed a user-friendly and interactive details page for AWS VPC Security Groups using Typescript and React.
- Collaborated with cross-functional teams to integrate AWS DynamoDB, EC2, and S3 into the back-end architecture.

CAMP INNOVATION | HONOLULU, HI   **JULY 2016 – JULY 2019**

SUMMER ROBOTICS PROGRAM LEADER

- Guided and mentored over 50 middle school students in the creation and programming of robotics, fostering their critical thinking skills and problem-solving abilities.
- Encouraged students to explore innovative solutions and pushed them to think creatively, resulting in an increase in successful outcomes during robotics competitions.
- Implemented a comprehensive curriculum that focused on hands-on learning experiences, resulting in an improvement in robotics programming proficiency among the students.

SKILLS

- Technical Skills: AWS, C++, Django, Git, Java, PostgreSQL, Python, R, Typescript, Unity
- Soft Skills: Active Listening, Interpersonal, Problem-Solving