

# 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'S LIST (2020 - 2024) GPA: 3.5

**KOREA UNIVERSITY** | Seoul, South Korea

**February 2022 – June 2022**

Study Abroad Program: Spring 2022

## ACADEMIC EXPERIENCE

**REACT PORTFOLIO: PLNU**

**MARCH 2024 – MAY 2024**

- Implemented reusable components and hooks in **React** to enhance code modularity and maintainability.
- Integrated a contact form with email functionality using **EmailJS**, enabling visitors to send messages directly through the portfolio.
- Crafted custom styles using **CSS Modules**, ensuring component-specific styles that avoid global scope conflicts and improve maintainability.

**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, JavaScript, PostgreSQL, Python, R, TypeScript, Unity

**Soft Skills:** Adaptability, Communication, Interpersonal, Positive Attitude, Problem-Solving, Team Collaboration