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

KOREA UNIVERSITY | Seoul, South Korea   **FEBRUARY 2022 – JUNE 2022**

PROFESSIONAL EXPERIENCE

KAMEHAMEHA SCHOOLS | HONOLULU, HI   **SEPTEMBER 2024 – PRESENT**
SYSTEMS ANALYST CONTRACTOR
- Trained in **Azure Cloud**, Microsoft **Fabric**, **Databricks**, and **Power BI**, equipping me to support advanced data analytics and system optimization initiatives.
- Earned **Azure Fundamentals certification**, applying foundational skills in cloud computing, data compliance, and governance to maintain secure and compliant system processes.
- Developed cloud-based data management skills on **Azure**, enabling future contributions to data-driven and scalable infrastructure solutions.

PERMISO SECURITY | HONOLULU, HI   **JUNE 2023 – AUGUST 2023**
BACKEND DEVELOPMENT INTERN
- Implemented a scalable and efficient scanner using **API calls** to interact with AWS services for data retrieval.
- Developed a user-friendly 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.

PROJECTS

REACT PORTFOLIO: PLNU   **MARCH 2024 – MAY 2024**
- Developed modular and reusable components and hooks in **React**, enhancing maintainability and allowing for streamlined future updates and feature additions.
- Integrated a contact form with **EmailJS** for direct visitor communication, improving portfolio accessibility and enabling potential client or employer outreach.
- Crafted custom styles with **CSS** Modules, achieving a clean, organized design that avoids global scope conflicts and allows for flexible, component-specific styling across the portfolio.

WATER RESERVOIR DATA PROJECT: PLNU   **SEPTEMBER 2023 – DECEMBER 2023**
- Designed and implemented a system to collect and analyze water reservoir data, ensuring decision-makers have access to timely, reliable data through automation and streamlined processing.
- Ensured data accuracy and reliability through **normalization**, **cleansing**, and **time series analysis**, resulting in high-quality data for accurate forecasting and analysis.
- Extracted time series data for multiple reservoirs using **Python's requests** module for **web scraping**, automating **data collection** and enabling efficient analysis across a large data set.
- Implemented **PostgreSQL**-based storage and retrieval procedures, facilitating efficient data management and integration with application features for faster access and better organization.
- Applied **SciKit-Learn** machine learning models for time series forecasting, enhancing predictive capabilities and enabling proactive planning based on accurate water storage predictions.
- Deployed a **Django** server to present data insights with interactive **Plotly** visualizations, improving data accessibility and enabling stakeholders to explore forecasts in a user-friendly format.

SKILLS

Technical Skills: Azure , AWS, C++, Django, Git, Java, JavaScript, PostgreSQL, Python, R, SQL, TypeScript, Unity
Soft Skills: Adaptability, Communication, Interpersonal, Positive Attitude, Problem-Solving, Team Collaboration
Activities: Volleyball, Weightlifting, Surfing, Pickleball