

ALEKSANDER ELIJAH ALDERETE

310-600-1918 ♦ alekajobs@gmail.com ♦ <https://eli8375.github.io/website/>

EDUCATION

California State University, Long Beach

08/2023 – 07/2025

Bachelor of Science in Computer Science

- **Honors:** Tau Beta Pi (Engineering Honor Society)
- **GPA:** 3.90

University of California, Riverside

09/2014 – 06/2017

Bachelor of Arts in Business Economics

- **GPA:** 3.42

PROJECTS

Stylo: Fashion-Focused Social Media Mobile Application

- Built post creation flow, outfit collection system, and user analytics using React Native
- Integrated Firebase Firestore and Cloud Storage to manage user-generated content
- Managed tasks via Agile sprints and Git version control with a small team in a fast-paced environment

Public Holidays Finder

- Developed a dynamic web app in ASP.NET Core MVC to retrieve public holidays by country and year using the Nager.Date API
- Utilized AJAX requests to asynchronously fetch and display data without reloading the page

Simulated Peer-to-Peer Distributed Network

- Built a Dockerized P2P system with 50+ Flask-based nodes for dynamic peer registration and messaging
- Implemented a bootstrap node for initial discovery; nodes managed peers autonomously afterward
- Designed REST endpoints for peer updates and JSON-based message exchange

Fictional Pizza Shop Database

- Designed and built a database solution for a fictional pizza shop, efficiently managing orders, pizzas, customers, and deliveries
- Developed Entity Relationship Diagrams to translate business requirements into precise data models
- Utilized both relational and document-based database implementations from the same design

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, C/C++, SQL, HTML, CSS, C#/.NET, TypeScript
- **Frameworks & Tools:** React Native, Firebase, Expo, Git, Docker, MongoDB, PostgreSQL, Linux
- **Concepts:** Scrum/Kanban, AJAX, REST APIs, Version Control, Cross-platform development, UML/ERDs
- **Relevant Coursework:** Software Engineering, Computer Architecture, Databases, Operating Systems, Networks and Distributed Systems, Algorithms, Computer Security

EXPERIENCE

City of Torrance | Minutes Secretary

03/2021 – Current

- Produced official city meeting documentation

Palos Verdes Peninsula School District | Substitute Teacher

03/2018 – 03/2022

- Delivered adaptable instruction across STEM and humanities K–12 classrooms