



# Gabriel Bulosan

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## EDUCATION

**Bachelor of Science, Computer Science**  
*California State University, Fullerton*

Spring 2025

## PROJECTS

**[Budget Buddy](#)** | *SwiftUI, Firebase*

[Video Demo](#)

- Worked with a team of 4 students to design and develop "Budget Buddy," an iOS app for monthly budgeting and expense tracking.
- Designed and implemented an intuitive user interface for seamless budget management written in swift
- Integrated Firebase to enable real-time data synchronization and storage

**[Cloud Service Access Management System](#)** | *Python, FastAPI, MySQL*

[Video Demo](#)

- Designed and implemented a scalable system for managing user subscriptions and service access with role-based permissions.
- Integrated MySQL databases using SQLAlchemy for efficient data storage and retrieval across multiple tables.
- Designed as a backend foundation for a full-stack mock cloud services platform.

**[File Upload Service API](#)** | *Python, Flask, MySQL*

[Video Demo](#)

- Developed a secure RESTful API using Flask for file uploading with JWT-based user authentication and MySQL integration.
- Implemented CRUD operations for managing user-uploaded files and linked them to authenticated user accounts.
- Designed with scalability in mind to support a future full-stack file sharing platform with public file access via unique links.

## TECHNICAL SKILLS

**Languages:** C++, Python, Java, HTML, CSS, JavaScript, Swift

**Frameworks:** Flask, FastAPI

**Database Management:** MySQL, MongoDB

**Operating Systems:** Windows, Mac

**IDEs:** Visual Studio, BlueJ, Visual Studio Code, Replit

**Version Control:** Git, GitHub