

SAL SAYGI

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EDUCATION

University of California, Merced

Bachelor of Science, Computer Science and Engineering

Merced, CA

May 2025

Relevant Coursework

Data Structures (C++), Advanced Programming (C++), Introduction to Programming (Python)

SKILLS

Languages: JavaScript, HTML/CSS, C++, Python

Frameworks/Libraries: React, Node.js, Firebase, Passport.js, puppeteer.js

Tools/Technologies: Git, REST API, Google OAuth2, SQL, MongoDB, Redis, Figma

PROJECTS

Mantra - Google Chrome Extension

July 2022 - September 2022

- Architected links to notes relationship using categories as a bridge to redirect users from links to corresponding notes to help them through the use of mantras.
- Imitated Notion editor like design using @editorjs for a better writing experience.
- Combined React.js framework and Typescript into google chrome extension environment.

UC Merced's Club Website and Admin Backend

November 2021 - March 2022

- Built a feature where members of ACM club with 100+ members to attend an ongoing event through a provided code to get their points and automatically attend them to the school's mandatory system using Firebase APIs to reduce the workload on the team and increase engagement.
- Authenticated passwords using JavaScript and Firebase authentication to ensure security for users.
- Constructed email verification and school email filtering to let only UC Merced students access and ensure single user protocol.
- Using Figma, designed and contributed to HTML/CSS development of events and dashboard page using React.js.

Windows 95 eCommerce Shop

January 2021

- Developed checkout page with mutable products and credit card form, and made products listing and product page for every product using HTML/CSS.
- Styled and designed the website like 95 Windows using @react95 library.
- Designed the website using SPA method, so it elevates the experience of windows 95 experience while shopping.

DogeGarden Website (Open Source Project)

November 2020

- Created the bot to be used by listeners of DogeHouse using DogeGarden's client side API to connect DogeHouse.
- Integrated Spotify API to let the users play any music they want on their audio room using the bot.
- Added authentication and authorization between dev/admin/user through OAuth2 protocol with session-cookies using Passport.js on Node.js.
- Implemented resetting email using Nodemailer and Google's OAuth2 Protocol.
- Used Redis to manage session authentication of clients.

LEADERSHIP

Association for Computing Machinery *President*

August 2022 - Present

- Networked with students and other organizations to increase club membership by 20 percent.
- Interviewed, built-teams, and shared club's responsibilities, and motivated the club towards a goal that matches students' wants.

Association for Computing Machinery *Software Engineering Lead*

November 2021 - May 2022

- Led the development of the club's website with a team of 5 people.
- Prepared and presented 7 workshops to teach more than 50 students about Javascript, NodeJS APIs, and Firebase.