



JOHNNY LY

☎ 562-276-8481 ✉ johnbus.ly@gmail.com  [linkedin.com/in/johnny-ly-](https://www.linkedin.com/in/johnny-ly-)  github.com/LyJohnny

Education

University of California, Merced

August 2019 – May 2023

Bachelor of Science in Computer Science and Engineering

Merced, CA

GPA: 3.64

Relevant Coursework

Data Structures, Algorithm Design and Analysis, Object Oriented Programming, Database Systems, Software Engineering, Computer Architecture, Digital Image Processing, Discrete Mathematics, Programming in Java

Experience

JPMorgan Chase & Co.

June 2022 – August 2022

Software Engineer Intern

New York, NY

- Modernized the Loan Editor App for the Markets Technology Team used for managing loan deliveries, delivering traded pools to several agencies, and identifying and remediating data quality issues that may prevent loan sales.
- Handled the Dynamic rendering of UI components for the Loan Editor through JSON data from multiple API endpoints to streamline workflow and efficiency.
- Developed the frontend using React, Redux, and the JPMC UI Toolkit for a more seamless user interface and efficient state management system.
- Implemented the logic for handling UI changes for loan data edits and changes utilizing Typescript and React functional components.

UC Merced Fiat Lux Scholars Program

August 2021 – May 2022

Academic Scholar

Merced, CA

- Planned, coordinated, and implemented large scale social events to facilitate connections and contribute to building community among participants in the program.
- Provided referrals to academic learning support services on campus; make announcements and share resources to Fiat Lux related programming.
- Met one on one with Fiat Lux scholars to develop a set of academic goals and plans.
- Served as a Liaison between Fiat Lux Scholars and Program Staff.

Yosemite National Park Coronavirus Time Capsule Team

September 2020 – May 2021

Undergraduate Student Researcher

Merced, CA

- Assessed the impact of the COVID-19 pandemic on Yosemite National Park in collaboration with Dr. Jeffrey Jenkins, 2 graduate students, and 4 other cohort members from the Yosemite Leadership Program.
- Co-authored in a Case Study Article evaluating the impact of COVID-19 on Yosemite National Park. Discussed what a new "normal" would look for tourism and park management for the National Park Service.
- Assisted with researching quantitative and qualitative changes in Yosemite National Park in relation to COVID-19 restrictions and lock downs.

Projects

JPMorgan Chase & Co. Code For Good 2022 | HTML, CSS, JavaScript, Bootstrap, Git

February 2022

- Redesigned the Hispanic Unity of Florida's website to be more modern and accessible using HTML, CSS, JavaScript.
- Assisted with the frontend of the website using Bootstrap to clean up UI elements and make the website responsive.
- Integrated a mini-website feature utilizing IFrames to provide continuity for the user and maintain original site content.

Discord Bot | JavaScript, Discord.js/Node.js, Discord API, Visual Studio Code

May 2021

- Developed a moderation system, infraction and server logger, and auto-response system utilizing Discord's API to help server owners with server moderation.
- Implemented a moderator command list and server log feature to organize channels and keep track of server changes.
- Designed an auto-response system that responds to keywords with text and reactions to automate responses for frequently asked questions.

Technical Skills

Languages: **Java**, **C/C++**, **HTML/CSS**, **JavaScript**, TypeScript, Python, LaTeX, Assembly Language, Shell Script, Markdown, Vimscript

Technologies: **ReactJS**, **NodeJS**, **Redux**, **REST**, Swagger UI, SQL, Bootstrap, Material UI, JQuery, Git, Bitbucket, Jira, VS Code, Linux, Windows, macOS, Android, iOS, Canva, Lightroom, Photoshop