Basil Thaddeus

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EDUCATION

University of California: San Diego — La Jolla, CA
B.S. Cognitive Science w/ Specialization in Machine Learning — *Sept. 2021 – May 2025*

EXPERIENCE

Software Programming Intern — Aug. 2019 – June 2020
Energized Global Services — *Yerevan, Armenia*
- Introduced to a professional work environment in one of the largest tech companies in Armenia
- Developed an understanding of Java and its implementations into payment terminals for banking
- Worked in a team environment, leading small group projects and communicating with our internship leader

Freelance Automation Developer — Sep. 2018 – Mar. 2019
Fiver — *Remote*
- Developed automated Discord chat and server moderation bots
- Communicated with clients to set up expectations and go over limitations of the project
- Used MongoDB to host user data for over 100,000 users

PROJECTS

ECE USC Website | *Javascript, React, NodeJS, NextJS, TailwindCSS* — April 2023 – Present
- Developed a full-stack website, using NextJS for a responsive front end
- Redesigned the website to look more modern and to engage the visitor
- Improved device responsiveness to display better viewports for mobile and large sized screens
- Used NextJS to optimize image load times since the website is image heavy

Password Manager | *JavaScript, ElectronJS* — Feb. 2022
- Developed a desktop app with ElectronJS that stores passwords locally
- Users provide a 16 or more character encryption key which was used to store and reveal passwords
- Implemented using ExpressJS with Handlebars for the public views and used JSON parsing to create the 2 player sesssions

High Five Online | *JavaScript, ExpressJS, SocketIO* — Jan. 2021
- Developed a website where 2 friends can synchronously high five each other online
- Using SocketIO, users are able to high five each other once both clients are ready
- Implemented using ExpressJS with Handlebars for the public views and used JSON parsing to create the 2 player sesssions

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML/CSS, C#
Frameworks: React, NodeJS, NextJS, ExpressJS, ElectronJS, TailwindCSS

RELEVANT COURSEWORK

Programming Courses: Data Structure & OO Programming, Computer Organization & Systems Programming, Data Science
Other Courses: Discrete Mathematics, Linear Algebra