Alejandro A. Lopez Cochachi

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EDUCATION

Dartmouth College | Hanover, New Hampshire   **June 2023**
Bachelor of Arts, Major in Computer Science, Minor in Digital Arts   **GPA: 3.2/4.0**

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Tailwind CSS, Python, C#
Libraries/Frameworks: React, React Native, Next.js, Node.js, Express.js, MaterialUI, Stripe, Chart.js, AWS S3
Tools: Git (GitHub), Visual Studio Code, Redux, Heroku, Render.com, Vercel, Postman, MongoDB, Firebase, Expo

RELEVANT EXPERIENCE

Dartmouth Applied Learning and Innovation Lab (DALI Lab), Hanover, NH   **Sep 2019 – Jun 2023**
Senior Software Engineer, Development Mentor
- Paid to develop mobile and web applications in teams of 5-6 student developers, designers, and project managers over 10-week terms for partners such as Dartmouth researchers, external start-ups and social impact companies.
- Developed apps using React and React Native frameworks, using best HTML, CSS and JavaScript practices.
- Collaborated on the engineering of multiple APIs using Node.js, Express.js, MongoDB, Firebase, and AWS.
- Fixed multiple bugs for projects at any stage, constantly communicating with the partners and experienced DALI developers to fix the most complicated issues.
- Mentored teams of 2-3 student developers, taking responsibility on task assignments and helping them with best Full-Stack practices via scheduled check-ins and work sessions either on-site or remotely.
- Attended 2-3 meetings per week with team members and partners to share progress and define next steps.

ConnectUS, Miami, FL   **Jun 2022 – Sep 2022**
Full Stack Developer Intern
- Developed new features for the ConnectUS startup's web app for employee management, such as allowing managers to arrange group meetings, enhancing the scheduling system, logo inputs, and more.
- Developed on the frontend using React to add the features previously mentioned while keeping the style of the app using the Material UI library.
- Familiarized myself with the backend using TypeScript and Firebase, being able to make the necessary changes for some frontend features to work with technologies I haven't used before.
- Attended biweekly meetings with the staff and founders of the ConnectUS startup, communicating progress and discussing next steps, using Agile methodologies to manage tasks.

PROJECTS

Task Management App | React, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Figma
- Personal project hosted at: taskchemy.vercel.app
- Designed and developed a user-friendly, responsive web application for managing tasks and keeping track of weekly routines. It includes features like server-side rendering, CRUD functionalities, and user authentication.

E-Commerce | React, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Figma, AWS S3, Stripe
- Personal project hosted at: afk-e-commerce.vercel.app
- Designed and developed an e-commerce website for my portfolio, featuring products like gaming laptops, mice, keyboards, and headsets. It includes features like product sorting, laptop customization, images from S3 storage in the cloud, and use of the Stripe library to manage checkout.

BayesEM | React Native, CSS, Flask, MongoDB, Expo
- Developed a mobile app as part of a 20-week DALI Lab team project, enabling medical professionals to keep track of patients' diagnoses and use Bayesian formulas to calculate likeliness of conditions given symptoms.

Wordwiz | React, CSS, TypeScript, Chart.js
- Collaborated on the development of a Chrome extension for language learning through Youtube videos as part of a team of six CS majors. My contributions include the word mastery system, learning dashboard, and graphs.