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**
Relevant coursework: *Full Stack Web Development, Machine Learning, Artificial Intelligence, Software Design & Implementation, AR and VR Development, Projects in Digital Arts*

RELEVANT EXPERIENCE

Dartmouth Applied Learning and Innovation 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, social impact companies, and entrepreneurs.
- Developed apps using React and React Native frameworks, using best HTML, CSS and JavaScript practices.
- Collaborated on the engineering of multiple APIs using NodeJS, ExpressJS, MongoDB, Firebase, and AWS.
- Fixed multiple bugs for projects at any stage employing DevOps practices and Agile methodologies, 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.

ConnectUS, Miami, FL   **Jun 2022 – Sep 2022**
Full Stack Developer Intern
- For the ConnectUS startup, I developed new features for their web app for employee management, such as allowing managers to arrange group meetings instead of just 1:1, 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 with 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, and trace back lines of code prone to bugs in 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

Lionheart Foundation, Dedham, MA   **Jun 2021 – Sep 2021**
Mobile Application Developer
- Connected through DALI Lab to continue working on their mobile app EQ2 during the summer as a solo developer, in order to advance the development of the app started by my DALI team on the previous term
- Familiarized myself with the EQ2 app's purpose of helping Lionheart instructors to empower trauma-impacted youth on reintegrating society
- Attended weekly meetings with Lionheart staff to discuss designer decisions and give updates on the state of the app
- Developed new features for the app using React Native for the frontend and ExpressJS for the backend, implementing video and audio galleries using AWS
- Pushed the app to alpha stage on TestFlight and allowed the partners to start user testing

SKILLS & INTERESTS

Coding: JavaScript, Typescript, React, React Native, HTML, CSS, Sass, Git, MERN stack, Redux, MongoDB, Node, ExpressJS, Angular, Python, Unity, Firebase, C#
Languages: Spanish (Native), English (Fluent), German (Intermediate),
Additional interests: UI/UX Design, Digital Arts, Piano, Archery, Videogames, Board Games, Boxing, Cooking