Alejandro A. Lopez Cochachi

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EDUCATION

Dartmouth College | Hanover, New Hampshire   **June 2023**
Bachelor of Arts, Major in Computer Science   **GPA: 3.25/4.00**
Relevant coursework: *Full Stack Web Development, Machine Learning, Software Design & Implementation, Problem Solving via Object Oriented Programming, Discrete Mathematics in Computer Science, Algorithms*

RELEVANT EXPERIENCE

Dartmouth DALI Lab, Hanover, NH   **Sep 2019 - Present**
Software Engineer Mentor
- 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.
- Develop multiple web and mobile apps with the React and React Native frameworks, using best HTML, CSS and JavaScript practices.
- Collaborate on the engineering of multiple APIs using NodeJS, MongoDB, Firebase, and AWS S3.
- Fix multiple bugs for projects in production stage, constantly communicating with the partners and experienced DALI developers to fix the most complicated issues.
- Mentor teams of 2-3 student developers helping them understand DALI and best Full-Stack practices via scheduled check-ins and work sessions.

Lionheart Foundation, Dedham, MA   **Jun 2021 – Sep 2021**
Software Engineer
- Connected through DALI Lab to continue working on their EQ2 app during the summer as a solo developer
- Familiarized myself with the EQ2 app purpose of helping Lionheart instructors to empower trauma-impacted populations
- 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, implementing video and audio galleries using AWS S3
- Pushed the app to alpha stage on TestFlight and allowed the partners to start user testing

COMMUNITY SERVICE

UTK INVENT, Lima, Peru   **Mar 2018 – Jan 2019**
Instructor assistant
- The INVENT group is part of UTK (United Technologies for Kids), who teach programming technology concepts to students in poor schools in Lima, Peru
- Participated as a volunteer in the "Virgen del Rosario" school, teaching the basics of Arduino robotics and Freecad 3D Design to 20-30 teens
- Assisted the students in their projects and coordinated the classes with the instructors

SKILLS & INTERESTS

Computer: ReactJS, React Native, JavaScript, HTML, CSS, Python, MongoDB, NodeJS, Firebase, Java, C
Languages: Spanish (Native), English (Fluent), German (Intermediate)
Additional interests: Piano, Archery, RPG videogames, board games, videogame soundtracks, boxing