Alexis J. Renderos

Software Development Engineer / Secret Security Clearance (Inactive, eligible for reinstatement + TS/SCI)

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Work Experience

Software Engineering Intern @ Dreambound / Ladder Labs Corporation

Jan 2021 – Present / San Francisco, California

- Developed mission-critical, performant, and reliable customer facing products in addition to key internal tools using React, TypeScript, and GraphQL.
- Designed a comprehensive bulk data import feature, reducing time spent creating new data entries by over 1250%, enabling Dreambound to massively scale.
- Built and shipped Dreambound's new internal credit reporting software, reducing total time spent on key workflows by over 350%.
- Established, designed, and maintained over 150 unit, integration, and regression tests, using Jest, reducing bugs shipped by over 60%.

Software Engineering Intern @ Slack Technologies, Inc.

May 2020 – Aug 2020 / San Francisco, California

- Spearheaded development of Slack's new Android mobile video calling feature for use by over 10M Daily Active Users in over 150 countries leveraging Java and Kotlin.
- Acted as a product owner, translating key business needs into features, making critical design decisions and crafting design documents.
- Refactored existing native calls code to utilize AWS Chime endpoints, quadrupling potential video call size and decreasing latency by 25%.
- Established an end-to-end automated testing suite with 15 tests using TypeScript.

Software Engineering Intern / Campus Ambassador @ Collins Aerospace

May 2019 – May 2020 / Cedar Rapids and Ames, Iowa / Active Security Clearance: Secret

- Developed mission-critical software using C++ for the ARC-210 family of military radios used by 40+ countries on 180+ platforms and awarded $2.5B in contracts.
- Built and shipped a feature used to simulate extreme field conditions for use both in the field, and in-house for manual and automated testing.
- Designed, maintained, and optimized over 75 automated tests in Python for regression testing, reducing overall test time by 10% and maximizing code coverage.

Assistant General Manager / Chief Operator @ 88.5 KURE Ames Alternative

Sept 2018 – Present / Ames, Iowa

- Coordinated a team of 25 directors and interns in addition to 50 DJs and show hosts.
- Proposed and implemented a high-impact internship program with a focus on career growth, increasing talent acquisition rate by 135% and reducing churn rate by 200%.
- Expanded station listenership by 350% through the implementation of a comprehensive 5-year plan for aggressive station growth and development.

Education

B.S. Computer Engineering @ Iowa State University *On Leave / 3rd Year completed*

- Google Hispanic Student Leadership Scholar
- Code2040 Fellow

Skills

Programming Languages

TypeScript, JavaScript, C++, Python, Java, HTML, CSS, Kotlin

Libraries & Frameworks

React, GraphQL, Apollo, NextJS, Node.JS, Jest, TensorFlow, Keras, OpenCV, ROS

Tools & Software Applications

Git, CI/CD, Jira, Confluence, Bitbucket, Bamboo, Linux, Android Studio, LaTeX

Languages

English, Spanish, German

Organizations

FIRST Robotics Competition

- Software and Electrical Mentor

Awards

HackUIOWA 2019

- Best Use of .xyz Domain

HackISU 2019

- Tastiest Hack

HackISU 2018

- Best Rookie Hack

FIRST Robotics Competition

- 2016-17 Dean's List Finalist
- Innovation in Control Award

Projects

Lifedrinker

Convolutional Neural Network (CNN) taught to identify an object of interest at range using a live camera feed in conjunction with a Python-based OpenCV tracking algorithm to assist in detecting, identifying, and tracking a target.

Clark

60-pound semi-autonomous custom designed and fabricated robot running on ROS. It uses sensor fusion techniques, computer vision algorithms, and a convolutional neural network to navigate its surroundings.

7Words

Python-based web tool launched on Heroku intended to mass lyric check a set of songs. It uses the Genius and Spotify APIs to search through a playlist of songs for language that could go against FCC broadcasting guidelines.