Justin Cano

Santa Clara, CA • jstncno@gmail.com • 650.255.0098

Education

University of California, Riverside   Riverside, CA
BS, Computer Engineering   June 2014

Experience

Google   Mountain View, CA
Technical Lead, Experience Studio   June 2019 – Present
- Provide technical leadership, direction, and guidance for a team of engineers.
- Advocate technology decisions for software deployed in our global portfolio of Experience Centers.
- Architected solution for modernizing platform real-time messaging system using Kubernetes and led migration from legacy system, resulting in 99.99% uptime.
- Created an observability dashboard to monitor the health and status of the global fleet of exhibit machines
- Led development of a mission-critical Electron app used as kiosk for exhibits.
- Led development of Python and TypeScript client libraries and distribute to external exhibit developers.
- Collaborate with cross-disciplinary teams to design, develop, and deploy interactive technology exhibits.
- Created a custom Debian OS USB installer with preloaded scripts used for running exhibit software.
- Contributed to the design and implementation of proprietary show control software platform to interface with AV systems (e.g. Crestron).
- Regularly develop, review, and push production code.

K2 Partnering Solutions @ Google   Mountain View, CA
Experience Engineer   September 2017 – June 2019
- Developed software applications for physical spaces that personify Google in the real world, playfully showcasing Google technology to inspire wonder and delight to Google's top clients.
- Ported existing technology exhibits to different Experience Center designs and standards.
- Created digital signage that responds to show control commands.
- Designed and developed a conversation loop for a custom Raspberry Pi Google Assistant interface using Dialogflow and the Google Assistant Python SDK.
- Integrated lighting cues with guest interactions with the custom Google Assistant interface.
- Developed a web application that responded to custom Google Assistant commands using AngularJS.

Rally Health   San Francisco, CA
Software Data Engineer   September 2015 – September 2017
- Maintained SRE for analytics pipeline that ran nightly data aggregation jobs.
- Contributed to the development of client libraries for collecting analytics.
- Developed software release automation and CI/CD processes using Jenkins.

Insight Data Science   Palo Alto, CA
Data Engineering Fellow   June 2015 – July 2015
- Participated in highly selective a Data Engineering Fellowship to learn how to use and implement Big Data tools in the Hadoop ecosystem.
- Built a data pipeline that extracts and builds a hyperlink graph from Common Crawl's April 2015 web corpus using HDFS, Spark, GraphX, and HBase.

Loqate   San Mateo, CA
Support Engineer   November 2014 – May 2015

- Responded to and developed software solutions for support tickets.
- Fixed bugs for address verification software in C++.
- Implemented matching solution that improved foreign address verification by 4%.

UCR Entomology, University of California, Riverside   Riverside, CA
Embedded Systems Developer   June 2014 – July 2014
- Developed a Raspberry Pi camcorder for the University of California, Riverside Entomology Department in order to capture footage of insect eggs in remote urban and agriculture environments to look for natural predators of the Brown Marmorated Stink Bug.
- Worked closely and diligently with a UCR Entomologist to create a low-powered dedicated device to meet the needs of the product specifications.
- Programmed the Raspberry Pi to record HD video clips at certain times of the day and save recordings to an external mounted hard drive.

JetHead Development   Carlsbad, CA
Software Engineer Intern   June 2013 – September 2013
- Provided bug fixes and enhancements for DirecTV Set-Top-Boxes.

Skills

Full Stack Development • Data Engineering • Embedded Systems Engineering
Python • Typescript • C/C++ • Angular • Svelte • React • Linux • Raspberry Pi • Arduino • GCP • AWS