Justin Cano

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ABOUT

I am currently working as a **Tech Lead** on the **Experience Studio team** at **Google** .

The Experience Studio team **leads the design and production of physical spaces** that tell Google's story, make Google's magic more apparent, and communicate Google's ability to grow customers' businesses into the digital age and guide their brands into the future.

EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE
BS in Computer Engineering
June 2014 | Riverside, CA

LINKS

https://**jstncno.dev**
Github://**jstncno**
LinkedIn://**justincano**

SKILLS

PROGRAMMING LANGUAGES
Proficient in:
TypeScript • Python • HTML/CSS
JavaScript
With some experience in:
Scala • Bash • C/C++ • Java • SQL

FRAMEWORKS AND TOOLS
Angular • React • Unity
Hadoop • Spark • Airflow

PLATFORMS
macOS • Linux • Windows
Raspberry Pi • Arduino
GCP • AWS

INTERESTS

Intersection of the physical and digital
Software design and development
Embedded devices • AR • AI
Finance • Energy • Robotics
User Experience • Creative coding
+ various other trends in tech

WORK EXPERIENCE

GOOGLE | Technical Lead, Experience Studio
Jun 2019 – Present | Mountain View, CA

- Provide **technical leadership, direction, and guidance** for a **team of engineers**
- Regularly **develop and test prototypes** of **new exhibit concepts**
- Work with a **Project Manager** and **other stakeholders** to **create and align** project schedules
- Architected solution for **real-time messaging system** using **Kubernetes** and led migration from legacy system, resulting in **99.99% uptime**
- Created **observability dashboards** to monitor the health and status of a **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
- 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)
- Collaborate with **cross-disciplinary teams** to design, develop, and deploy interactive technology exhibits

K2 PARTNERING SOLUTIONS @ GOOGLE | Experience Engineer
Sep 2017 – Jun 2019 | Mountain View, CA

- 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**

RALLY HEALTH | Software Data Engineer
Sep 2015 – Sep 2017 | San Francisco, CA

- Maintained **on-call SRE** on analytics pipeline for 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 | Data Engineering Fellow
Jun 2015 – Jul 2015 | Palo Alto, CA

- Participated in 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 | Support Engineer
Nov 2014 – May 2015 | San Mateo, CA

- Provided software **support and bug fixes in C++** for clients

UCR ENTOMOLOGY | Embedded Systems Developer
Jun 2014 – Jul 2014 | Riverside, CA
https://jstncno.dev/dl/Kistner-et-al.pdf

- Developed **Raspberry Pi camcorder** for the University of California, Riverside Entomology Department to **aid research** of the Brown Marmorated Stink Bug

JETHEAD DEVELOPMENT | Software Engineer Intern
Jun 2013 – Sep 2013 | Carlsbad, CA

- Provided **C++ bug fixes and enhancements** for **DirecTV Set-Top-Boxes**