

# Justin Cano

<https://jstncno.dev>  
Santa Clara, CA | [jstncno@gmail.com](mailto:jstncno@gmail.com) | 650.255.0098

## 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](https://github.com/jstncno)  
[LinkedIn://justincano](https://www.linkedin.com/in/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
- Work with **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
- Created an **analytics dashboard** to measure which exhibits were the **most engaged** with
- 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**