# Jack Greenberg

Electrical and Firmware Engineer

## EXPERIENCE

### Indico Data Solutions

Software Engineer (Backend Team)

05/2020 - Present | Los Angeles (remote)

› Developed Redis-based cache for permissions authenticating to reduce network traffic in the microservices architecture

› Developed a custom metrics API for Celery Flower (distributed task management monitoring) to autoscale Kubernetes pods

### Olin Electric Motorsports

Electrical Lead

09/2019 - Present | Olin College

› Worked with other electrical leads to design the car's electrical systems and craft an onboarding experiences for first-year students

› Developed mission-critical board to perform safety checking for the car, and a board for shutdown circuit monitoring

### Yay Brigade

Full-Stack Developer

01/2019 - 12/2019 | Los Angeles (Gap Year)

› Implemented designs with a focus on keeping them light-weight and accessible.

› Built a web app to monitor the status of the sites maintained by the studio with a notifcation system. Written with PHP and MySQL.

› Built a web app (designed by the head of the studio) that allows users to keep a list of their favorite bands and compare them with other users. Written with ReactJS, PHP, and MySQL.

### Norwegian Refugee Council

Data Architect

09/2018 - 12/2018 | Berlin, Germany (Gap Year)

› Assisted the team in developing a data collection and project management tool used in refugee camps around the world, using Salesforce as a platform.

› Traveled to a conference in Brussels with my team to present to representatives from around the world about the data collection and project management tools we were building.

## EDUCATION

### Olin College of Engineering

Bachelor of Science in Electrical and Computer Engineering

May 2023 | Needham, MA

› Recipient of 4-year, 50% tuition merit scholarship.

### UCLA Extension Course: Networking and TCP/IP

March 2018 | Los Angeles, CA

› Studied concepts of networking technology and worked through understanding the full TCP/IP stack.

### Oakwood Secondary School

June 2018 | Los Angeles, CA

› Took courses on elementary number theory and cryptography, sign language, and jazz theory, among others.

## SKILLS

**Software**

Python | Rust | Docker | C (embedded, systems-level) | MATLAB

**Front-End**

JavaScript | ReactJS | (S)CSS

**Database**

PostgresQL | MongoDB

**Other**

Git | KiCad | Figma | American Sign Language

## CONTACT

https://jacklgreenberg.com ↗

Github @jack-greenberg

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