



# Jack Greenberg

Electrical and Firmware Engineer

## EXPERIENCE

### Indico Data Solutions

Software Engineer Intern

05/2020 - 08/2020 | Los Angeles (remote)

- › Built a Redis-based cache for user-object permissions to reduce network traffic among microservices, preventing performance bottlenecks
- › Converted the entire microservices infrastructure across 17 repositories from Tornado to Asyncio coroutines with no deployment issues

### Olin Electric Motorsports

Telemetry Lead

09/2019 - Present | Olin College

- › Led development of a telemetry module to stream data in real-time over Wi-Fi from the car to an off-board USB receiver
- › 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 lightweight and accessible.
- › Built a web app to monitor the status of the sites maintained by the studio with a notification system. Written with 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.
- › Notable courses include Modeling and Simulation of the Physical World, Software Systems, Computer Architecture, and Discrete Math

### 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

Kubernetes

C

Embedded C

MATLAB

### Front-End

JavaScript

ReactJS

(S)CSS

### Database

PostgreSQL

MongoDB

### Other

Git

KiCad

Figma

American Sign Language

## CONTACT

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