

# BENJAMIN SIGAL

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## EDUCATION

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**University of California, Los Angeles**  
**B.S. in Electrical Engineering**

**Graduation: 2023**

EE Fast Track Honors/Research Program

Current GPA: **3.781**

Relevant courses expected by summer: Intro to Electrical Engineering, Embedded Machine Learning Lab, Honors Physics, Intro to Computer Science, Math through Differential Equations

## TECHNICAL SKILLS

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**Electronics:** Basic circuits, Soldering, PCB Design, Microcontrollers

**Programming:** JavaScript/Node.js, HTML/CSS, Java, C/C++, PHP, C#

**Computers:** Linux command line/Bash, AutoCAD, Solidworks, 3D Printing, Git

## PROJECTS

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**Bruin Racing: Formula SAE**

**September 2019 - Present**

Electronics Subteam

- Build systems to record the car's functioning so that the data can be used during operation for the driver's use, as well as afterwards to improve the working of the car
- Manage communication between sensors, the ECU, and the driver
- Implement new systems for wireless communication to improve easy and rapid access to information

Business Subteam

- Seek out funding and sponsorships

**Robotics: FIRST Tech Challenge**

**2018 - 2019**

Software Lead

- Program the robot, allowing for both remote control and autonomous action
- Adapt the code to the changing hardware of the robot
- Teach and direct other members of the team to make software

**Website: bensigal.com**

**2015 - Present**

- Create a server originally in PHP, then converted entirely to Node.js
- Host projects such as a remote editor, command line, and several games
- Develop a routing system without using pre-existing frameworks