

JOSEPH BROWN

Riverside, CA · jbrow123@ucr.edu · (818) 306-7623 · [jbrown3859.github.io](https://github.com/jbrown3859)

EDUATION

Crescenta Valley HS

HS Diploma *GPA: 4.0*

La Crescenta, CA

August 2015 - June 2019

University of California, Riverside

BS Electrical Engineering

Riverside, CA

September 2019 - June 2023

EXPERIENCE

ARKS: Self Driving Warehouse Carts

Mechatronics Engineering Intern

Riverside, CA

September 2019 - Present

- Working to develop and refine warehouse automation technologies.

SoCalShredz

Web Designer

La Canada Flintridge, CA

September 2018 - August 2019

- Delivered services as the web developer, designer, application specialist and webmaster, acting as project manager for the transition. Conceptualized, planned and executed designs for a wide range of website properties using Bootstrap 4.3, HTML, and CSS.

SimpleLayers, Inc

Assistant Developer

La Crescenta, CA

June 2018 - August 2018

- Worked with other developers on a geographic information system for organizing and delivering information pertaining to a user's local agencies and community organizations.

ParkPlus CA

CAD Intern

Sun Valley, CA

June 2017 - August 2017

- Used AutoCAD to maximize space in automated and high density parking solutions for clients.

SKILLS

Object Oriented Programming:	Java, Python, C#, C++
Web Development:	HTML, CSS, Bootstrap
Fabrication:	MIG/TIG/Arc/Oxyacetylene Welding, Aluminum, Steel work, CAD
Operating Systems:	Ubuntu 18 Desktop and Server, Kali, Windows 10
Leadership:	Years in leadership in the Boy Scouts and my HS Robotics team
French:	Limited Working Proficiency

PROJECTS

Team Data Software *Java, Apache POI*

<https://github.com/jbrown3859/AutoScout>

<https://github.com/jbrown3859/Attendance-Software>

Developed software to track attendance of 100+ robotics team members, and to analyze tournament scores and organize data on other FRC teams

Electric Longboard *Power and Signal Management, C++, Arduino, BLE, Android Studio*

<https://github.com/jbrown3859/Electric-Longboard-Conversion>

Designed and refined a budget kit for retrofitting skateboards with electric drive and wireless control. Android app for Bluetooth throttle in development

AWARDS

Eagle Scout

2018

Arshak Award

FRC 589

June 2019

Le Grand Concours

Competed and placed in the 30th percentile in a nationwide French literacy competition

April 2018