

# Carson W. Boden

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## EDUCATION

### University of Michigan, Ann Arbor — *Bach. in Computer Engineering*

SEPTEMBER 2015 - APRIL 2019 / GPA - **3.63 / 4.0** / MAJOR GPA - **3.88 / 4.0**

EECS 280 - Programming and Data Structures

A

ENGR 151 - Accelerated Intro to Programming

A

ENGR 100 - Intro to Microprocessors

A-

EECS 270 - Intro Logic Design

Completing in December

EECS 281 - Data Structures & Algorithms

Completing in December

## EXPERIENCE

### CCC Information Services, Cerritos — *Software Engineer*

MAY 2016 - AUGUST 2016

Developed parallel check-in kiosk applications for Windows and iOS using C# and Swift. Windows application design process incrementally added features, eventually reaching MVP. Development for iOS was primarily prototypical and was handed off upon departure.

### Friction, Manhattan Beach — *Social Media Application Co-Founder*

MAY 2015 - AUGUST 2015

Co-founded FrictionApp, a humble, self-funded startup dedicated to producing a new social media platform. Worked as head of UI, front-end, and graphic design. Application terminated after closed beta, with over 50 users.

### CCC Information Services, Cerritos — *QA Intern*

JUNE 2014 - AUGUST 2014

Tested Windows 8.1 CCC ONE product on multiple devices including standard desktop as well as emerging touch-screen tablet/laptop. QA process involved deep interaction and collaboration with software engineers and resulted in a more fluid application.

### Amigos Unidos, Manhattan Beach — *Co-Founder, Web Manager*

AUGUST 2011 - JUNE 2015

Service organization dedicated to providing hands-on support to philanthropies in Southern California. Personally managed the website and logged hours for each individual. Received President's Volunteer Service Award each year for over 1000 combined hours.

## EXTRACURRICULARS

### MPowered, Ann Arbor — *Core Member*

SEPTEMBER 2015 - PRESENT

Led Startup High School, a flagship project of MPowered Entrepreneurship dedicated to encouraging entrepreneurial ventures in high school students. Contacted companies such as Spark, TCF Bank, and Kellogg's to raise over \$15,000 for the project's weekend summit, reaching over 500 high school students.

### ENGR 100 Final Project, Ann Arbor — *Created Motion Controlled Mirror*

JANUARY 2016 - APRIL 2016

Designed, programmed, and constructed a functional mirror with built-in screen that displayed pertinent information. Users could use gesture controls to observe their calendar, the time, the weather, or take a picture. Production included the use of Microsoft Kinect and relevant APIs. Remaining components designed from scratch.

## ACHIEVEMENTS

Dean's List

University Honors

AP Scholar with

Honors

California

Scholarship

Federation

National Honor

Society

## PROGRAMMING LANGUAGES

**Proficient:** C#, C++,  
Swift, XAML

**Experienced:**  
Assembly, Git, Java,  
Python, XML,  
Verilog

**Familiarized:** CSS,  
HTML, JavaScript,  
jQuery, Ruby, SQL

## DEVELOPMENT SOFTWARE

**Proficient:** After  
Effects, Excel, Atom

**Experienced:**  
Android Studio,  
Photoshop, Visual  
Studio, Xcode,  
Quartus

## HARDWARE SKILLS

**Experienced:**  
Breadboarding,  
Circuit Design,  
Soldering