Carson W. Boden

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EDUCATION

University of Michigan, Ann Arbor — *Bach. in Computer Engineering*
SEPTEMBER 2015 - APRIL 2019 / GPA - **3.77 / 4.0** / MAJOR GPA - **3.93 / 4.0**

EECS 270 – Intro to Logic Design	**A**
EECS 281 – Data Structures and Algorithms	**A**
EECS 370 – Computer Organization	**A**

EXPERIENCE

Amazon, Seattle — *Digital Content and Commerce Platform SDE*
JUNE 2017 - SEPTEMBER 2017

Responsible for designing, developing, and testing tier-1 storage services and solutions. Created an onboarding UI for a shadowtesting framework allowing users to utilize the services faster and optimizing settings for internal use.

CCC Information Services, Cerritos — *Software Engineer*
MAY 2016 - AUGUST 2016

Developed parallel check-in kiosk applications for both 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.

EXTRACURRICULARS

Eta Kappa Nu, Beta Epsilon Chapter, Ann Arbor — *Treas., Corp. Rel.*
JANUARY 2017 - PRESENT

Personally managed finances for HKN, the EECS honor society between corporations, events, and activities. Expected to manage accounts daily. Scheduled corporate talks to the organization and University of Michigan's student body.

International Programs in Engineering, Berlin — *Robot Programming*
APRIL 2017 - JUNE 2017

Designed manual and automatic controls for warehouse robots. Created simulations in MATLAB to optimize PD controls, creating fastest path-following robot in the class.

MPowered, Ann Arbor — *Core Member*
SEPTEMBER 2015 - APRIL 2017

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 — *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++, Java, Swift, XAML

Experienced: Assembly, Git, Python, XML, Verilog

Familiarized: CSS, HTML, JavaScript, JQuery, Ruby, SQL

DEVELOPMENT SOFTWARE

Proficient: After Effects, Atom, Eclipse, Visual Studio

Experienced: Android Studio, Photoshop, Xcode, Quartus

HARDWARE SKILLS

Experienced: Breadboarding, Circuit Design, Soldering