

Christian Scarlett

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Education

Massachusetts Institute of Technology

Cambridge, MA

Electrical Engineering and Computer Science (6-2) GPA: 5.0

June 2022

- Relevant Coursework: Embedded Systems, Algorithms, Machine Learning, Fundamentals of Programming, Circuits and Electronics, Differential Equations, Multivariable Calculus

Northern State University

Aberdeen, SD

Undergraduate Chinese Certificate GPA: 4.0/4.0

May 2018

Experience

Milwaukee Electric Tool Corporation

Brookfield, WI

Electrical Engineering Intern (One-Key)

January, June – August 2019

- Created groundwork firmware for a new IoT SiP using GPS and LTE for location tracking. (C++)
- Created a PC application from scratch allowing other engineers to interface with One-Key devices over BLE and serial. (Python)

CREATE Aberdeen Makerspace

Aberdeen, SD

Operations Intern

May 2017 – August 2018

- Designed and taught electronics, coding, and robotics classes, including three coding bootcamps.
- Organized 2 Startup Weekends, heading logistics, funding, and recruitment.
- Increased social media engagement by 120% by regularly publishing makerspace updates and office activities to social platforms.
- Increased class enrollment by 50% by expanding marketing in public schools and social media.

Silicon Plains, LLC

Bismarck, ND

IT Intern

July 2016

- Provided on-site and remote software, computer, and server setup and maintenance for ~40 businesses in the Bismarck area.
- Reduced time-consuming laptop setup procedures by automating setup processes.

Projects

Keeping Up with the Colors

March – May 2019

- Designed electronics and software on a microcontroller platform for an interactive color-matching children's toy on a team of six.

www.christianscarlett.com

June 2019 – Present

- Created website from scratch using HTML, CSS, and Bootstrap to learn web design skills.

Tongue-Fu

September 2019

- Built voice-recording interface for a kahoot-style game website at HackMIT.

608-Bike

September 2019

- Wrote location-tracking software on the embedded system for a path-finding social website for bikers.

Activities and Leadership

MIT Music Production Collaborative

Social/Publicity Chair Cambridge, MA; May 2019 – Present

- Plan events to foster the relationship between the club and music production community in the Boston area.

6.009 Fundamentals of Programming

Learning Assistant Cambridge, MA; Feb - May 2019

- Aided others' learning of programming fundamentals including object-oriented concepts, interfaces, modularity, and efficiency.

MIT Motorsports, FSAE EE and Business Teams

Cambridge, MA; Aug – Dec 2018

- Designed and reviewed PCBs for the battery management system.
- Designed new team website.

National Honor Society

President Aberdeen, SD; 2017-2018

- Created tutor program for students in need, organized bi-weekly meetings and fundraisers for charities, managing ~30 members.

Chinese Club

Founder/President Aberdeen, SD; 2017-2018

- Introduced new high school Chinese language classes; organized weekly calligraphy, paper cutting, cooking, and cultural fair trips.

Awards and Honors

Presidential Scholar Candidate, National Merit Finalist, Intel Excellence in Computer Science Award

Skills

Python, C/C++, HTML, CSS, Javascript, Bootstrap, SQL, internet protocols; English - fluent, Chinese – conversational