Christian Scarlett

58 Manchester Road, Brookline, MA 02446 | 605-290-8243 | cjscar@mit.edu

Education

Massachusetts Institute of Technology	Cambridge, MA
Electrical Engineering and Computer Science (6-2) GPA: 5.0	July 2022
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.
- Created a PC application from scratch allowing the other engineers to interface with One-Key devices.

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.

Activities and Leadership

MIT Music Production Collaborative	Cambridge, MA
Social/Publicity Chair	May 2019 – Present

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

MIT Motorsports, FSAE	Cambridge, MA
EE and Business Teams	August – December 2019

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

National Honor Society	Aberdeen, SD
President	2017-2018

- Created AP tutoring program for students in need
- Organized bi-weekly meetings and fundraisers for local charities, managing ~30 members.

Chinese Club	Aberdeen, SD
Founder/President	2017-2018

- Introduced new high school Chinese language classes.
- Organized weekly activities including 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