

# Christian Scarlett

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## Education

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### Massachusetts Institute of Technology

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

Cambridge, MA

July 2022

### Northern State University

Undergraduate Chinese Certificate GPA: 4.0/4.0

Aberdeen, SD

May 2018

## Experience

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### Milwaukee Electric Tool Corporation

Electrical Engineering Intern (One-Key)

Brookfield, WI

January, June – August 2019

- Created groundwork firmware for a new IoT SiP using GPS and LTE for location tracking.
- Created a PC application allowing the other engineers to interface with One-Key devices.

### CREATE Aberdeen Makerspace

Operations Intern

Aberdeen, SD

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

IT Intern

Bismarck, ND

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

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### 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

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### 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.

### 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

EE and Business Teams

Aberdeen, SD

2017-2018

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

### Chinese Club

EE and Business Teams

Aberdeen, SD

2017-2018

- Introduced new high school Chinese language classes.
- Organized weekly activities including calligraphy, paper cutting, cooking, and cultural fair trips.

## Awards and Honors

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

## Skills

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