Christian Scarlett

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Education

Massachusetts Institute of Technology - Cambridge, MA - Computer Science & Electrical Engineering
Aug. 2018 - Present | GPA: 4.8
Northern State University - Aberdeen, SD - Undergraduate Chinese Certificate
Aug. 2016 - May 2018 | GPA: 4.0

Experience

AT&T - El Segundo, CA - Software Engineering Intern (AT&T Consumer)
June 2020 - Aug. 2020
- Updated, maintained, and tested REST endpoint microservices handling data flow for hundreds of tv guide schedules and thousands of shows per day for products such as AT&T TV (Java)
- Prevented propagation of user error and streamlined developer workflows by creating a UI widget for configuring guide schedules based on JSON schema (JS, Polymer)

GigFinesse - New York, NY - Software Engineering Extern
Jan. 2020
- Designed, implemented, and tested tools for matching artists with gig dates (Python, Django)
- Integrated Stripe payments for subscription and one-time payment billing and payouts (Python, Flask)

Milwaukee Electric Tool Corporation - Brookfield, WI - Electrical Engineering Intern (One-Key)
Jan. 2019, June 2019 - Aug. 2019
- Wrote proof-of-concept groundwork firmware for an IoT SiP with GPS and LTE (C++)
- Created a PC application allowing engineers to interface with tools over Bluetooth and USB (Python)

Projects

SwipeMeIn.github.io
- Website to facilitate students sharing their meal plans with other students (React.js, Firebase)

Keeping Up With the Colors
- Designed electronics and software on a microcontroller platform for an interactive color-matching children's toy on a team of six (C++)

6.08-Bike
- Wrote location-tracking software on the embedded system for a biking social media website (C++)

Activities

MIT Music Production Collaborative - Social Coordinator
- Ideate, plan, and run events facilitating the collaboration and learning of music making.

6.08 Interconnected Embedded Systems - Learning Assistant
- Helped develop labs and staffed lab hours to teach embedded systems concepts, including microcontrollers, signal processing, battery management, HTTP, and more.

6.009 Fundamentals of Programming - Learning Assistant
- Developed labs and staffed office hours to aid others' learning of programming fundamentals including object-oriented concepts, interfaces, modularity, and efficiency.

Skills

Python 5/5 **Javascript** 5/5 **Java** 4/5 **React.js** 4/5 **Polymer** 4/5 **Git** 4/5 **C++** 3/5 **Django** 3/5 **Firebase** 3/5
SQL 3/5 **HTML** 3/5 **CSS** 3/5