

Charlie J. Moore

SOFTWARE ENGINEER · WRITER

Lansing, MI

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Education

Massachusetts Institute of Technology

Cambridge, MA

B.S. IN COMPUTER SCIENCE AND ENGINEERING AND COMPARATIVE MEDIA STUDIES

Sept. 2012 - June. 2017

Relevant Coursework

- Software Studio | Software Construction | Artificial Intelligence | Fundamentals of Programming | User Interface Design and Implementation
- Intro to Algorithms | Computability, Complexity, and Autonomy | Computation Structures | Computer System Engineering | Human Intelligence Enterprise
- Digital Humanities | Visual Design | Applying Media Technologies | Technology and Culture | Intro to Media Studies | Management Lab

GPA: 4.5/5.0

Skills

- Programming** Python, HTML5, CSS, jQuery, Javascript, Full Stack Web Development, Git, UNIX Command Line
- Design** Ethnography, Prototyping, User Testing, UI/UX, User-centered Design, Visual Design
- Communication** Writing, Editing, Public Speaking, Teaching, Journalism, Reporting, Leadership, Marketing, Social Media

Projects

Google Drive-based college newsroom software toolkit

MIT

THE TECH

Spring 2017 — Present

- Automating creation of files/folders/documents central to newsroom workflow.
- Implementing a light-weight Google Drive based invoicing and bookkeeping system.
- Using Google's Drive/Sheets/Docs APIs and HTML/CSS.

EatSafe

MIT

USER INTERFACE DESIGN AND IMPLEMENTATION 6.813 PROJECT (TEAM OF 4)

Spring 2017

- Designed a functioning front-end UI for a recipe conversion app for users with food allergies.
- Wrote front-end code using JavaScript/jQuery, HTML, and CSS.
- Focuses design on usability, learnability, safety, accessibility, and other design principles.
- Conducted multiple rounds of prototyping and user testing.

Scheduler WebApp for Pax Populi

MIT

CODE FOR GOOD 6.S187 PROJECT (TEAM OF 4)

Jan 2017

- Worked with an education non-profit Pax Populi to build a scheduling web app to create user profiles and schedule tutor-student video calls.
- Wrote server-side code using Node.js, MongoDB, and Express.js, and client-side code using Angular.js, Handlebars, HTML, and CSS.

StitchHub

MIT

6.170 SOFTWARE STUDIO FINAL PROJECT (TEAM OF 4)

Fall 2017

- Used Node.js, Express.js, JavaScript, MongoDB, and HTML/CSS to create a web app for designing and sharing knitting patterns.

Leadership

Electrical Engineering and Computer Science Department, MIT

Cambridge, MA

TEACHING ASSISTANT FOR 6.009 FUNDAMENTALS OF PROGRAMMING (FORMER LAB ASSISTANT, SPRING 2017)

Sept. 2017 - May 2018

- Held around 15 office hours a week to help and provide feedback to students on weekly programming assignments in Python
- Coordinated schedules for staffing hours for approximately 60 lab and teaching assistants.

The Tech (MIT campus newspaper)

Cambridge, MA

CHAIRMAN

Sept. 2017 - PRESENT

- Oversees the operations of the newspaper, with a staff of 130 and 14 departments, as its Chief Executive Officer.
- Led recruitment efforts that increased The Tech's staff size by 30% in 2017.
- Launched an advertisement and marketing initiative that increased our 2017 revenue by more than 40%.

The Tech (MIT campus newspaper)

Cambridge, MA

NEWS EDITOR (FORMER SENIOR EDITOR, ARTS EDITOR)

Sept. 2013 - Sept. 2017

- Edit writing of approximately 15 writers to publish 3-5 articles per week, reaching 21,000 readers.
- Lead meetings, recruit, and train new writers and editors.

Harvard Berkman Klein Center for Internet + Society

Cambridge, MA

YOUTH AND MEDIA + ARTIFICIAL INTELLIGENCE RESEARCH INTERN (TEAM LEAD)

June - July 2017

- Designed educational materials about AI topics intended for non-technical audiences.

Brilliant (STEM education startup with 4 million users)

Worked Remotely

MATH AND SCIENCE WRITING INTERN

Mar. 2016 - Aug. 2016

- Wrote 60+ educational computer science wiki pages and practice problems used by students of all ages.