Charles Ma

87 Arlington Street
Brighton, MA 02135

cma4@bu.edu   857-540-3371

EDUCATION

Boston University — College of Arts and Sciences and Questrom School of Business   **Boston, MA**
Bachelor of Science in Computer Science and Business Administration   *Class of 2020*
GPA: 3.5/4.0; Dean's List

TECHNICAL BACKGROUND

Languages: Python, SQL, Java, JavaScript, PHP, HTML/CSS
Coursework: Machine Learning, Computing Systems, Data Mechanics, Algorithms, Databases
Hackathons: PennApps XVI BlackRock Aladdin API Prize, HackRU XIII Vitech and RBC Capital Prizes
GitHub: https://www.github.com/charlesma4   **LinkedIn:** https://www.linkedin.com/in/charlesma4

WORK EXPERIENCE

Amazon Web Services   **Cupertino, CA**
Software Development Engineer Intern   *June 2019 – August 2019*

- Designed novel workflows, improving product scalability and cutting server load to 5% of original.
- Gathered system and metric requirements through extended team meetings and stakeholder interviews to deliver MVP for next-generation device management tools.
- Communicated with peer engineers to fix bugs in production code and generate ideas for team roadmaps.

Wayfair   **Boston, MA**
Software Engineering Intern   *June 2018 – August 2018*

- Constructed data pipelines to increase coverage of customer's viewed classes for 500K+ customers.
- Sustained 5+ Apache Storm topologies to monitor daily traffic of 3M+ website visits.
- Built admin tools using React.js and PHP MVC frameworks to streamline marketing communications.

BU Educational Resource Center   **Boston, MA**
Combinatorics Tutor   *October 2017 – December 2017*

- Disseminated 10+ core topics for 15+ students across the span of a semester-long course.
- Discussed inductive proofs, number theory, recursion and more with tutees to facilitate understanding.

Cell Signaling Technology   **Danvers, MA**
Software Engineering Intern   *May 2017 – August 2017*

- Developed client-facing antibiotic ordering applications using J2EE, Spring and Hibernate.
- Modernized dependency management, reducing build times by 50% for testing purposes.

LEADERSHIP

BostonHacks   **Boston, MA**
Director Emeritus   *November 2016 – Present*

- Lead 25+ person team to acquire $60K+ in sponsorships and increase hackathon participation by 20%.
- Coordinate event logistics, sponsorship, and branding for event with 600+ attendees and 10+ sponsors.
- Collaborate with Major League Hacking's community to spearhead hackathon growth and purpose.

Boston University Machine Intelligence Community   **Boston, MA**
Treasurer   *April 2017 – November 2018*

- Conducted 5+ workshops a semester, ranging from core concepts to state of the art research papers.
- Organized initiatives at 5+ colleges around the country to collaborate on open-source projects.
- Brought together 5+ sponsors for first annual Machine Intelligence Conference, with 150+ attendees.

OTHER INTERESTS: Fencing (sabre!), Piano (Young Artist), Basketball