

Alyssa H. Smith

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Education

Massachusetts Institute of Technology

Cambridge, MA

Bachelor's of Science. Cumulative GPA: 4.8

expected June 2017

Planned Spring 2016 courses:

Large-Scale Symbolic Systems, Introduction to Media Studies, Online Machine Learning Algorithms, Network Cultures, Introduction to Astronomy

Previous Relevant Courses:

Design and Analysis of Algorithms; Introduction to Machine Learning; Introduction to Inference; Linear Algebra; Introduction to Algorithms; Advanced Natural Language Processing

Skills

Programming Languages: Languages: Python, XML, Java, Javascript, HTML, Processing.

Programming Skills: web scraping, machine learning, network analysis, data cleaning, Twitter bots, databases, natural language processing

Foreign Languages French (conversation); Japanese (basic)

Relevant Experience

Japanese Parser Undergraduate Research

Cambridge, MA – Fall 2015

Developing a corpus-based contextual browsing system and API to help Japanese language learners understand correct usage. Working with a front-end developer to coordinate backend format with output in browsing system.

Berkman Center Summer Intern

Cambridge, MA – Summer 2015

Assessed the efficacy of municipal broadband programs in Massachusetts; published a MediaCloud [blog post](#) analyzing media coverage of the GamerGate controversy.

Open Technology Institute

Washington, DC – January 2015

Completed statistical analysis of broadband availability and adoption data to understand where and why gaps in access arise; worked on scraping data for OTI's annual Cost of Connectivity report. Collaborated with technologists at OTI frequently to understand how my work fit into theirs.

Center for Civic Media UROP

Cambridge, MA – Fall 2014 - Spring 2015

Investigated how journalists' Twitter data can predict who they quote in their articles in order to affect gender bias in journalist citations.

RELATE Group UROP (Undergrad Researcher)

Cambridge, MA – Summer 2014

Created problems using XML in a team of undergraduates and graduate students and classified physics problems for an edX physics MOOC.

Leadership and Projects

MIT Committee on Curricula

Cambridge, MA – Fall 2015

Discussing changes to the curriculum and major programs; reviewing policy changes and suggesting modifications to policies.

Co-chair, Academic Advisory Committee

Cambridge, MA – Fall 2015

Working on implementing improvements to the advising system and the undergraduate academic experience; coordinating with administration to figure out best practices and plan joint efforts.

HackMIT

Cambridge, MA – September 2015

Built a glove that powered a Twitter bot in a team of three undergrads; together we coordinated hardware and software development and compatibility.