

## Alyssa H. Smith

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### Education

**Massachusetts Institute of Technology**

**Cambridge, MA**

Bachelor's of Science. Cumulative GPA: 4.8

June 2017

**Thesis:** The Discourse: An Online Debate. Examines The Discourse, a community on Tumblr centered around the debate over asexual inclusion in the LGBTQ+ community.

#### Relevant Courses:

Geometric Folding Algorithms, Design and Analysis of Algorithms; Introduction to Machine Learning; Introduction to Inference; Linear Algebra; Introduction to Algorithms; Advanced Natural Language Processing; Online Machine Learning Algorithms; Network Cultures; Qualitative Methods; Aero-Astro Experimental Projects I

### Skills

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

**Programming (and related) Skills:** web scraping, machine learning, network analysis, data cleaning, Twitter bots, databases, natural language processing, SQL, Git, Numpy, Pandas, scikit-learn, scipy

**Foreign Languages** French (conversation); Japanese (basic)

### Relevant Experience

**Kensho Technologies Software Engineer**

**Cambridge, MA – June 2017-present**

Building and maintaining models, handling data ingestion, and designing services at a fast-paced startup.

**Point. Software Engineer**

**Cambridge, MA – September 2016 - April 2017**

Created machine learning models to help build an intelligent email client as part of the initial software team of this young startup.

**Tumblr Product Analytics Intern**

**New York, NY – Summer 2016**

Produced actionable insights through analysis of user data. Created a neural network language model of tags and clustered users based on site usage data.

**Japanese Parser Undergraduate Research**

**Cambridge, MA – Fall 2015**

Developed a corpus-based contextual browsing system and API to help Japanese language learners understand correct usage. Collaborated 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.

**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.

### Leadership and Projects

**HKN Tutoring**

**Cambridge, MA – Spring 2016**

Tutored peers for an introductory machine learning course.

**MIT Committee on Curricula**

**Cambridge, MA – Fall 2015**

Discussed changes to the curriculum and major programs; reviewed policy changes and suggested modifications to policies.

**Co-chair, Academic Advisory Committee**

**Cambridge, MA – Fall 2015**

Implemented improvements to the advising system and the undergraduate academic experience; coordinated with administration to figure out best practices and plan joint efforts.

**HackMIT**

**Cambridge, MA – September 2015**

Built a glove that powered a Twitter bot by using sensor data as a source of randomness.