

Anthony Liu

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Education

2015–Present **Computer Science in the School of Engineering (Expected Spring 2019)**
University of Michigan, Ann Arbor
GPA 3.94

Work Experience

- 2018 Summer **Bloomberg L.P.** - New York City
Data Science Intern - Active Learning - service implementation and evaluation
- Implemented 20 state-of-the-art active learning query strategies
 - Tested strategies against diverse datasets in text classification, sentiment analysis, NER using Python scikit-learn
- 2017 Fall–Present **University of Michigan** - Ann Arbor, MI
Instructional Aide - IA for EECS 482, Intro to Operating Systems
- Taught 20 students in a weekly discussion on operating systems concepts (design and implementation, multithreading, resource management, etc.).
 - Helped students in office hours on linux based course projects.
- 2017 Summer **Clinic Inc.** - Ann Arbor, MI
Software Intern - Worked on Finie, a conversational AI platform for financial institutions.
- Developed an automated crowd data collection library through the Amazon MTurk API.
 - Used to collect over 10,000 training NL queries.
 - Developed tools to detect topics from natural language queries using unsupervised learning methods.
- 2016 June–Present **University of Michigan** - Ann Arbor, MI
Research Assistant - Team Lead - Improving Text annotation using machine assistants - Dr. Walter Lasecki
- Developed real-time, collaborative text annotation tool TextAnno using Meteor JS and MongoDB.
 - Created experiments and tested them on Amazon MTurk to analyze the performance of the tool.
 - Wrote proposals and abstracts for the ideas of the research.

Personal Projects

- 2017 **Fathom - an AI assistant for helping students study**
- Supports question generation through NLP sentence classification and entity recognition.
 - Supports natural language answer verification using a BiLSTM deep neural network trained on the SNLI corpus.
 - Finalist in the Campus of the Future competition.

Honors

- **Dean's List, University Honors** - 2015-present at the University of Michigan
- **Valedictorian** - Okemos High School, Okemos, MI

Skills

- **Languages** C++, Python, Javascript, Haskell, SQL, Matlab, PHP, HTML, CSS
- **Others** GIT, Apache Web Server, Linux/Unix/Windows, Amazon MTurk