

Anthony Liu

2053 Yorktown Drive
Ann Arbor, MI 48105

517 402 9407
anthliu@umich.edu

github.com/liu916

Education

2015–Present

Computer Science in the School of Engineering (Expected Winter 2018)

University of Michigan, Ann Arbor

GPA 3.94

Current Coursework

EECS445 Intro to Machine Learning, STATS 426 Intro to Theoretical Stats, MATH 412 Intro to Modern Algebra

Work Experience

2017 Fall–Present

University of Michigan

IA for EECS 482, Intro to Operating Systems

Instructional Aide

Ann Arbor, MI

- Taught 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

Cline Inc.

Worked on Finie, a conversational AI platform for financial institutions.

Software Intern

Ann Arbor, MI

- 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

Improving Text annotation using machine assistants - Dr. Walter Lasecki

Research Assistant - Team Lead

Ann Arbor, MI

- 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.
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Projects

2013-2014

A Social Sensing approach Air pollution in the US

- Studied with Dr. Pang-Ning Tan of Michigan State University to analyze the relationship between Air pollution and tweets.
- Streamed 170 million tweets from Twitter from December 15th 2013 to April 1st 2014

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.
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Honors

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

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