

Katherine Mayo

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Research Interests

Multiagent systems, Computational economics, Applications of machine learning

Education

University of Michigan Ann Arbor

PHD COMPUTER SCIENCE AND ENGINEERING, GPA: 4.0/4.0

Ann Arbor, MI

Sept 2019 - Present

- Advised by Michael Wellman, Strategic Reasoning Group

University of Massachusetts Amherst

BS COMPUTER SCIENCE, BA ECONOMICS, CHINESE MINOR, GPA: 3.795/4.0

Amherst, MA

Sept 2015 - Feb 2019

- Graduated Commonwealth Honors College with Multidisciplinary Honors and cum laude

Skills

Programming Languages (Proficient) Python, C#, Java, (Familiar) R, SQL, HTML
Version Control Git
Foreign Language Mandarin Chinese (Intermediate level)

Experience

University of Michigan, EECS - CSE

GRADUATE STUDENT RESEARCH ASSISTANT

Ann Arbor, MI

Sept 2019 - Present

- Strategic Reasoning Group, advised by Michael Wellman
- Conducting research on decision making in financial networks with imperfect information

Michigan Medicine, Department of Radiation Oncology

RESEARCH ASSISTANT

Ann Arbor, MI/Remote

Feb 2019 - Aug 2019

- Applied machine learning models to a data set of adult Radiation Oncology patients
- Analyzed factors relating patient data to emergency room visits

Systems & Technology Research

INTELLIGENCE TOOLS AND ANALYTICS INTERN

Woburn, MA

Jun 2018 - Aug 2018

- Analyzed temporal patterns in social media usage to identify groups of interest for predicting soccer games
- Applied machine learning models to data from groups of interest for predicting La Liga soccer matches

Projects

Predicting Trends in Unemployment Using Google Trends

Honors College Thesis

Jan 2018 - Dec 2018

- Developed models for predicting unemployment rates from Google Trends time series for 20 US states
- Analyzed sets of Google search terms for their prediction power