

Education

University of Michigan, Ann Arbor, MI **September 2013 – June 2017**

- » LS&A, B.S. in Computer Science
- » Machine Learning, Web Applications, Cognitive Science, French
- » Co-Founded and chaired two ML focused organizations, managing growth to over 50 active members.

Research & Teaching Experience

Research Assistant, advised by Prof. Eric Schwartz **Summer 2017 – pres.**

- » Researched active learning methods to guide the lead pipe replacement effort in the city of Flint.
- » Built simulator in Python to compare proposed methods to historical performance.

Instructional Aide, EECS 398, Computing for Computer Scientists **Winter 2016 – Winter 2017**

- » Lectured on `git`, virtual private servers, debuggers, `bash`, and being the best nerd one can be.
- » Worked with fellow TAs to craft an original syllabus for this new course.
- » Taught 600+ students over 3 semesters.

Research Assistant, advised by Prof. Eric Schwartz **Fall 2015 – Winter 2015**

- » Implemented data collection application for experiment comparing efficacy of native advertising against traditional banner ads.

Grader & Tutor, EECS 183, Introduction to Programming Concepts **Fall 2014 – Winter 2015**

- » Assisted students in on-on-one meetings with all course material.
- » Graded homework, and projects for both correctness and code style.

Work Experience

Application Developer, University of Michigan & the City of Flint **March 2017 – pres.**

- » Built web application used to record and manage service line replacement effort.
- » Data from application used in multiple predictive models which guided replacement efforts.
- » Recording all 18,000 replacements, an \$87,000,000 project over three years.

Software Engineering Intern, Nordstrom (Seattle, WA) **June – August 2016**

- » Collected, analyzed, and modeled data to predict fraud incidence at POS terminals with payments team.

Web Developer, Computer Aided Engineering Network **May – August 2015**

- » Independently designed and implemented a RESTful JSON API for UM Data Warehouse.

Publications

- » J. Abernethy, **A. Chojnacki**, et al, “**A Data Science Approach to Understanding Residential Water Contamination in Flint**” *KDD Conference 2017*
- » J. Stroud, **A. Chojnacki**, J. Abernethy, “**The Michigan Data Science Team: A Student Organization for Machine Learning Challenges**” *NIPS 2016 Workshop “Challenges in Machine Learning: Gaming and Education”*
- » J. Abernethy, C. Anderson, **A. Chojnacki**, et al, “**Data Science in Service of Performing Arts: Applying Machine Learning to Predicting Audience Preferences**” *Bloomberg Data For Good Exchange 2016*