

## Education

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

- » LS&A, Computer Science, B.S. (3.0)
- » Machine Learning, Web Applications, Cognitive Science.
- » Co-Founded and chaired two ML focused organizations, managing growth to over 50 active members.

## Research & Teaching Experience

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

- » Researching non-linear models for solving multi-armed bandit problem.

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

- » Worked with a team to craft original course syllabus (homework, exams, etc.,) for first time class of over 300 students.
- » Taught lectures on `git`, virtual private servers, and debuggers.

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

- » Implemented data collection application for experiment which compared 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

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**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 – Aug. 2016*

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

**Web Developer**, Computer Aided Engineering Network ..... *May – Aug. 2015*

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

## Publications

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- » 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*