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## Education

**University of Michigan**, Ann Arbor, MI *Fall 2013 – May 2017 (Expected)*  
» LS&A, Computer Science, B.S.  
» Highlights: Information Theory, Cognitive Science, Machine Learning

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## Research & Teaching Experience

**Instructional Aide**, EECS 398, Essentials for Computer Scientists *Confirmed Fall 2016*  
**Instructional Aide**, EECS 398, Computing for Computer Scientists *Winter 2016*  
» Worked with a team of five other IAs to craft an original course syllabus, including lesson plans and homework, for a class of over 300 students.  
» Authored and taught a lecture on virtual private servers for personal and enterprise level use cases.  
**Research Assistant**, advised by Prof. Eric Schwartz *Fall 2015*  
» Designed a website with user tracking logic implemented in Javascript using the Firebase API.  
» Used website to collect data from users to measure the efficacy of in-stream (or ‘native’) advertising against traditional banner ads.  
**Grader & Tutor**, EECS 183, Introduction to Programming Concepts *Fall 2014 – Winter 2015*  
» Assisted individual students with any work relating to the class, including homework, projects and reviews of past exam, as well as code style reviews.

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## Work Experience

**Software Engineering Intern**, Nordstrom (Seattle, WA) *June – Aug. 2016*  
» Prototyped and explored the viability of an in-house fraud detection system trained on credit card chargeback data.  
**Web Developer**, Computer Aided Engineering Network *May – Aug. 2015*  
» Independently designed and implemented a RESTful JSON API for UM Data Warehouse.

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## Publications

**Data Science in Service of Performing Arts: Applying Machine Learning to Predicting Audience Preferences** Abernethy, et al, *Bloomberg Data For Good Exchange*, 2016

Technical Experience	<i>Skilled</i>	<i>Proficient</i>	<i>Familiar</i>
Programming Languages	HTML/CSS/JS, Python	Java, C++	C, SQL
Machine Learning	pandas	numpy	scikit-learn, matplotlib
Miscellaneous	git	AWS, vim, bash	Vagrant, Docker

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## Other Involvement

**Communications Chair**, Michigan Data Science Team *Fall 2015 – Present*  
**Organizer**, Michigan Machine Learning Reading Group *June 2015 – Present*  
**Officer**, Michigan Student Artificial Intelligence Lab *Fall 2015 – Present*