thealex@umich.edu
813.220.1066

Alex Chojnacki

the-alex.github.io
github.com/the-alex

Education

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

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.

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.

Publications

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

Technical Experience

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

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*