BARRETT OLSON

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EDUCATION

University of Michigan, Ann Arbor, Michigan   Sept. 2013 – May 2017 (Expected)
Bachelor of Science, Computer Science & Organizational Studies
Double Major, Emphasis in Upper Level Economics & Econometrics

- GPA 3.80/4.00
- EECS GPA 4.00/4.00
- James B. Angell Scholar
- EECS Honors Society Active Member (Eta Kappa Nu)

Relevant Coursework:

- EECS 381: Object-Oriented & Adv. Programming
- EECS 281: Data Structures & Algorithms
- EECS 485: Web Databases & Info. Systems
- EECS 482: Introduction to Operating Systems
- ECON 401: Intermediate Microeconomics
- ECON 310: Money & Banking

EXPERIENCE

optiMize Social Innovation   Sept. 2014 – present
Vice President of Operations

- Managing a $40,000 budget, handling internal affairs, minor web development & maintenance
- Recruiting, overseeing, and leading 35 member student team
- Planning & implementing a 20 event, 150-day, Social Innovation Challenge
- Developing precedents for success metrics, post event evaluation/reflection & organization data tracking

University of Michigan EECS Department   Sept. 2015 – present
Teaching Assistant

- Teaching weekly discussion/lab sections of EECS 280, Programming & Data Structures (Winter 2016)
- Mentoring students and holding weekly office hours
- Helping design and test programming projects, write, proctor, and grade exams

Michigan Community Scholars Program   Sept. 2013 – May 2015
Chair on the Intergroup Relation Council, Peer Advisor
Program Resident Advisor (upcoming 2016-2017 Academic Year)

- Promoted diversity, leadership, education and social justice at the University and in local communities
- Planned and facilitated monthly events & dialogues for 200 community members & 865 dorm residents
- Worked as a mentor & leader to over 100 first year students

SKILLS, PROJECTS & ADDITIONAL INFORMATION

- **Experience with C, C++, Python, Flask, HTML, CSS & JavaScript**
- **Secure photo-sharing web app**
  Using a Python Flask framework with a JavaScript restful API
- **Small-scale search engine**
  Using a Hadoop MapReduce framework to generate an inverted index of 8000+ Wikipedia pages
- **Thread Library**
  Implemented a thread library with fully functional mutexes & conditional variables
- **Personal Website –** barrettolson.com
  On-going development, primarily used for student feedback & to provide course materials

- **Trained in dialogue facilitation, First Aid, CPR & AED Certified**
- **Studied Spanish in Granada, Spain (Spring Term 2015)**