BARRETT OLSON
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Education

University of Michigan, Ann Arbor   Expected May 2019
MS, Computer Science

University of Michigan, Ann Arbor   May 2017
BS, Computer Science & Organizational Studies
- GPA 3.755/4.000

Relevant Coursework

- Object-Oriented & Advanced Programming
- Data Structures & Algorithms
- Introduction to Computer Security
- Introduction to Operating Systems
- Natural Language Processing
- Web Databases & Information Systems

Employment

Research Assistant   May 2017 – Present
University of Michigan, PI: Satish Narayanasamy
- Researching the application of machine learning on accessible programming
- Developing programming environment that utilizes automatic speech recognition

Graduate Student Instructor / Teaching Assistant   Sept 2015 – Present
University of Michigan, Current GSI for ENGR 101, Former TA for EECS 280
- Holding weekly discussion sections, office hours, and co-leading exam reviews
- Designing and testing course programming projects and writing, proctoring, and grading exams

Graduate Resident Advisor   July 2017 – Present
University of Michigan Housing, Munger Graduate Residence
- Creating and sustaining diverse learning-centered residential community
- Assisting graduate and professional students and postdocs develop networks across disciplines

Software Development / Quality Assurance Intern   May 2016 – Aug 2016
JOOL Health, Inc
- Implemented a cross platform complete regression test suite using a Ruby Framework, Calabash
- Streamlined and automated company UI testing for both iOS and Android platforms
- Tested Android APKs on over 250 physical devices using cloud services, e.g. Xamarin

Technical Experiences & Projects

- Proficient in C/C++
- Intermediate experience with Python, JavaScript, HTML & CSS
- Modest familiarity with Ruby, Swift, Java, Matlab

Secure Photo-sharing Web App
- Using the Flask framework for Python with a Rest API

Departmental Autograder
- Front-end web development of the EECS department Autograder using Typescript and Angular2

Leadership / Additional

Member, Eta Kappa Nu (EECS Honors Society)   Sept 2015 – Present
President, Organizational Diversity Initiative within Organizational Studies   May 2016 – May 2017
Vice President of Operations, optiMize Social Innovation (optimizemi.org)   May 2015 – May 2016