

Javier A. Taylor

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Education

University of Michigan - College of Engineering

Expected graduation date: May 2018

- **Major:** Computer Science **Minor:** Entrepreneurship
- Fall 2016 Courses: EECS 482: Introduction to Operating Systems, EECS 388: Introduction to Computer Security, ES 212: Entrepreneurial Business Basics, ENTR 490: Finding Your Venture, EDUC 212
- Courses Taken: EECS 281: Data Structures and Algorithms, EECS 370: Computer Organization, EECS 280: Programming & Data Structures, EECS 203: Discrete Math, Statistics 250: Intro Statistics & Data Analysis, EECS 270: Intro to Logic Design, and courses in Calculus, Physics, Chemistry, Entrepreneurship, Research Ethics, Technical Communication, and group project based Engineering

Experience and Extracurricular Activities

- Servant Systems – Software Engineering Intern *May 2016-Aug. 2016*
 - Small software company in Ann Arbor, MI area specializing in SaaS for franchising companies
 - Worked on a team of Software Engineers and Interns to develop and test software used by companies in the franchising industry using agile process management and scrum methodology for development
 - Used tools such as Jasmine and Protractor to build automated test suites for web apps
 - Worked with JavaScript, AngularJS, NodeJS, and C# to develop and test software in Visual Studio
- Trail Tuff Nets - Co-Founder *July 2012-May 2016*
 - A small business that produces polypropylene cargo nets for Jeep Cherokees
 - Sold nets for roughly 75% profit nationally and to numerous countries around the world
 - Designed website (trailtuffnets.com), designed nets, managed supplies
- Engineering 101 Study Group Leader *Sept. 2015-Present*
 - Led study group for Engineering 101: Introduction to Computers and Programming for students taking the course in the Mosher Jordan Residence Hall, held office hours and designed lesson plan
- CSE Scholars – External Outreach Committee *Sept. 2015-Present*
 - A Computer Science club that works to teach skills related to the field and tutor for courses
 - Helped to host and organize tech workshops and events and run and work on open source projects
- Michigan Research Community – Peer Mentor *Sept. 2014-Present*
 - As a Mentor, led activities and set up events to build a community based on research
 - Placed in charge of Freshmen students to oversee transition to university and research responsibilities
 - Member for Freshman year, 2014-2015; coursework on research methods and ethics, attended research seminars and workshops, presented research in a symposium
- Driver Interface Research – Research Assistant *Sept. 2014-April 2015*
 - Research Assistant to Industrial Operations Engineering professor at the University of Michigan Transportation Research Institute, helped run experiments, draft and edit reports, code simulations
 - Gained experience in teamwork, engineering research, system optimization technical communication
 - Co-author: Green, P., Echols, S., and Taylor, J. (2014). Crash Warning Systems: The Human Factors

Skills

- Programming: Extensive coursework in and knowledge of C++, exposure to MatLab, Verilog HDL, Java and C, familiar with cross-language programming concepts, willing and able to learn new skills and languages. See GitHub page for code samples and examples of what I have done with my programming knowledge
- Web Development: Proficient with HTML, CSS, JavaScript, AngularJS, and Bootstrap
- Familiar with Linux, Windows, and Mac OS, Android Studio and Visual Studio IDEs
- Languages: Spanish spoken conversationally, basic German (3 years of HS classes)

Projects

- Notepad application for Android phones
 - Created with Android Studio to learn basics of mobile development
 - Available at javiertaylor.github.io/NotePad for download with a link to source code on GitHub
- Personal website (javiertaylor.com) to showcase web development and UI design skills
 - Created from scratch using HTML, CSS, JavaScript, Bootstrap, and AngularJS
- Working on creating iPhone application for stored image compression to learn iOS development