Javier A. Taylor

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Education

University of Michigan - College of Engineering **Expected graduation:** *May 2018*
Major: Computer Science **Minor:** Entrepreneurship

- Technical Courses: Computer Security and Web Systems (EECS 388, 485), Operating Systems and Computer Organization (EECS 482, 370), Data Structures and Algorithms (EECS 281, 280), Logic Design and Discrete Math (EECS 270, 203, 376), Statistics and Linear Algebra (STATS 250, MATH 214)
- Entrepreneurship: Business Basics (ES 212), Creativity (UC 270), Venture Analysis (ENTR 490, 411, 408)

Experience and Extracurricular Activities

- Servant Systems (Chelsea, MI) – Software Engineering Intern *May 2016-Aug. 2016*
  - Worked with a team of Software Engineers and Interns to develop and test software used by companies in the franchising industry using agile process management for development
  - Used tools such as Jasmine and Protractor to build automated test suites for complex web apps
  - Worked with JavaScript, AngularJS, NodeJS, and C# to develop and test software in Visual Studio
- Trail Tuff Nets - Co-Founder *July 2012-Present*
  - Small business that produces polypropylene cargo nets for Jeeps, marketed for off-roading
  - Produced and sold nets for roughly 75% profit to national and international customers
  - Designed website (trailtuffnets.com) and nets, managed supplies, constructed marketing strategies
- Driver Interface Research – Research Assistant *Sept. 2014-April 2015*
  - Worked with IOE professor at the University of Michigan Transportation Research Institute, helped run experiments, draft and edit reports, and code simulations for NADS MiniSim driving simulator
  - Gained experience in professional teamwork, technical communication, and research methods
  - Co-author: Green, P., Echols, S., and Taylor, J. (2014). Crash Warning Systems: The Human Factors
- Code-M – Board Member, External Outreach Committee Member *Sept. 2015-Present*
  - Computer Science club that works to teach skills related to the field and tutor for courses
  - Help to host, organize, and lead tech workshops and events and work on club programming projects
- Michigan Research Community – Peer Mentor *Sept. 2014-April 2016*
  - 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 to peers and professors
- Engineering 101 Study Group Leader *Sept. 2015-April 2016*
  - 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 plans

Skills

- Programming: C++, C, Python (Proficient), MatLab, Verilog HDL, Java (Familiar), and Android Development, knowledge of cross-language programming concepts, willing and able to learn new languages
- 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 (available at javiertaylor.com/NotePad)
  - Created with Android Studio to learn basics of mobile development, storing and sharing information
- 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

Awards and Honors

- Engineering Scholarship of Honor Recipient, University of Michigan
- Regents Merit Scholarship Recipient, University of Michigan