**Jacob Tucker**

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| **EDUCATION** | **Bachelor of Science in Computer Science,** Computer Science  **Bachelor of Science in Mathematics,** Mathematics  **Specialization:** Mathematical Statistics  **Graduation** **Date**: May 2018 **GPA**: 4.0/4.0 |
| **Course Work Experience** | **Software Design and Engineering:** Developed an application using software models and the Unified Software Development Process  **Data Structures and Algorithms:** Analyzed classic data structures and their associated algorithms to calculate their time complexity  **Cyber Threats and Responses:** Established framework for protecting sensitive data from various threat vectors |
| **Work Experience** | **Housing and Residential Communities**, *August 2015-Present*  *Resident Advisor, The University of Alabama*   * Performs administrative tasks including resident check-ins and incident documentation * Promotes Community Living Standards in the residence halls * Engages 240 residents in activities promoting Residential Curriculum   **Oasis International Ministries,** *Summer 2015*  *Web Development Intern, St. Louis, MO*   * Individually developed a web application to manage donations and deliveries for refugees in the St. Louis Area * Communicated with Leadership to establish clear, quantifiable, and attainable objectives * Updated and deployed the application regularly according to a consistent product release cycle   **Oasis Digital Solutions Inc.,** May 2014-August 2015  *Web Development Intern, St. Louis, MO*   * Developed an exploratory rules-based online configurator application to demonstrate company capabilities to potential clients * Expanded two web applications used actively by clients alongside senior developers * Trained and directed five first-year interns in company operating procedures and project development * Applied Agile principles to the development process |
| **Skills and Qualifications** | **Languages:** Java, HTML, JavaScript, C++, C, CSS  **Frameworks/Platforms:** AngularJS, Pug, Firebase, Gulp, SASS, JQuery  **Operating Environments:** Linux, MS Windows  **Business Tools:** Vim, Eclipse, JIRA, MS Office |
| **Activities and Honors** | **Activities:**   * STEM Path to the MBA * Association for Computer Machinery * Pledge of Alpha Kappa Psi Professional Business Fraternity * University of Alabama Honors College * College of Engineering Mentoring Program   **Honors:**   * Presidential Scholarship Recipient * Engineering Leadership Scholarship Recipient * Lions International Scholarship * Glory of Missouri Award * President’s List * Dean’s List |