**Jacob Tucker**

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**EDUCATION**

**The University of Alabama** Tuscaloosa, AL

*Bachelor of Science in Computer Science,* ***Computer Science*** May 2018

*Bachelor of Science in Mathematics,* ***Mathematics*** May 2018

Specialization: Mathematical Statistics

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**, *University of Alabama*

*Resident Advisor August 2015-Present*

* 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,** *St. Louis, MO*

*Web Development Intern Summer 2015*

* 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.,** *St. Louis, MO*

*Web Development Intern May 2014-August 2015*

* 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 & HONORS**

**Member:** 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