Asa S. Dillahunty

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Education

Bachelor of Science in Computer Science and Mathematics, December 2021
The University of Alabama Honors College in Tuscaloosa, AL
GPA: 3.36/4.0

Computer Skills

Statistical/Production Software: MATLAB, Microsoft Excel
Business Tools: Git, Microsoft Office, Google Workspace
Language Proficiencies: C, C++, JAVA, JavaScript, Python, HTML5, CSS3, SQL
OS Proficiencies: Linux, Mac OS X, Windows
Other Relevant Proficiencies: Node.js, React, React Native, Bootstrap, Firebase

Project Work

Personal Portfolio Website   **(August 2019 – Present)**
- Built and deployed a personal website on GitHub Pages to display past and current projects
- Demonstrated a strong knowledge of HTML/CSS and proficiency with JavaScript
- Utilized Git and Git versioning
- Developed a familiarity with Linux and Apache web server
- Worked with Adobe Illustrator to design and edit images

Chocoholics Anonymous   **(January 2018 – May 2018)**
- Designed and constructed a command line interface and XML data storage for a class project alongside four other students
- Demonstrated a proficiency of UML design and JAVA
- Utilized Git and Git versioning
- Communicated ideas and resolved issues in a group setting

Data Structures Library   **(August 2019 – December 2019)**
- Implemented advanced data structures (i.e. Circular Dynamic Array, Left-Leaning Red Black Tree, and Binary Heap) in C++
- Demonstrated a proficiency in C++
- Applied knowledge of common database structures and algorithms

Work Experience

Nutrisolutions Summer Intern   **(May 2019 – August 2019)**
GreenPoint Ag | Memphis, TN
- Collected nutritional data on crops across northeastern Arkansas and the Missouri Bootheel
- Worked alongside Ag Technology Specialists in the field using company-specific web applications such as the IncompassAg tool
- Handled a company truck and credit card
- Presented research conducted on nutritional data and possible sources of nutrient deficiencies or abundances at a GreenPoint Ag Tech Conference

Campus Involvement

The University of Alabama Association for Computing Machinery   **(August 2017 – Present)**
- Vice President (January 2020 – Present)
- Competitive Programming team member (August 2019 – Present)
- Web Development team member (August 2019 – Present)

Relevant Activities

- Auburn Hacks (February 2020)
- ICPC SE USA Regional Competitive Programming Competition at KSU (November 2019)
- Google's Code Jam KickStart 2018 Round F (September 2018)
- Crimson Hacks (April 2018 and March 2019)