Asa S. Dillahunty

asdillahunty@crimson.ua.edu | (870) 514-8620 | www.asadillahunty.com

Education

Bachelor of Science in Computer Science and Mathematics, December 2021
The University of Alabama Honors College in Tuscaloosa, AL
GPA: 3.3/4.0

Computer Skills

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

Select Work Experience

Intern Supporting TBE   **(May 2021 – September 2021)**
Quantitech | Huntsville, AL

- Automated the collection of data across multiple web applications using Selenium and BS4 libraries in Python
- Used said data to automatically generate reports using Pandas
- Built a GUI using Tkinter that monitors the progress of the data collection
- Adapted the project to be compatible with the native Windows environment

Project Work

Qubic Tic Tac Toe   **(November 2020 – February 2021)**

- Rebuilt a command line interface game in HTML and JavaScript
- Constructed a 3D representation of the game environment using Three.js
- Developed a cloud-based solution that allows players to compete remotely using Firebase Realtime Database

Personal Portfolio Website   **(August 2019 – Present)**

- Built and deployed a personal website on GitHub Pages to display past and current projects
- Demonstrated proficiency using HTML, CSS, JavaScript, Git, and Linux.
- Constructed unique animations using CSS keyframes and JavaScript animation frames

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++

Chocoholics Anonymous   **(January 2018 – May 2018)**

- Demonstrated an understanding of UML design, JAVA, and Git by constructing a command line interface and XML data storage for a class project alongside four other students

Leadership/Campus Involvement

The University of Alabama Association for Computing Machinery   **(August 2017 – Present)**

- Vice President (January 2020 – Present)
    - Duties include maintaining the ACM website, recruitment, leading workshops on emerging technologies, organizing events, corresponding with industry leaders, etc.
- 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)