

EDUCATION	<p>University of Arkansas, College of Engineering – Fayetteville, Arkansas, Fall 2020</p> <ul style="list-style-type: none"> Major: Computer Science BS Minor: Mathematics GPA: 3.804
SKILLS	<p>Programming Languages: C++, JavaScript, Java, Python, SQL, MIPS Assembly Language, VHDL, HTML/CSS</p> <p>Knowledge/experience with Latex, React, Redux, Python Flask, Eclipse, Android Studio, Git, R</p>
PROGRAMMING	<p>File Comparer (Python): a simple web app utilizing Python Flask that compares and outputs the similarities/differences between two files in a neatly formatted plotly table</p> <p>File-Based Database (C++): fully implemented file-based database backend using binary search and merge sort to efficiently perform actions such as searching, inserting, and deleting records</p> <p>4 Function Variable Calculator (C++): calculator with a menu option to input algebraic equation with variables and evaluate; heavy utilization of stack</p> <p>To-Do List App (Java): built in Android Studio, an app that allows creating, deleting, and updating a to do list with features such as reminders and notifications</p> <p>Maze Game (Java): project focusing on game design, heavily utilizing GUI programming, objects and classes, ArrayLists, polymorphism, and event handling</p> <p>Quarantine-Corner (JavaScript): full stack web application utilizing React-Redux-Firebase which allows users to create accounts and submit “kits” (suggestions) for things to do during the COVID-19 crisis; React was used for the front-end, Redux as a data store, Firebase for authentication, and Firestore for database</p>
WORK AND EXPERIENCE	<p>Teaching Assistant, Programming Foundations I & II, University of Arkansas, Fayetteville, AR: August 2019 – Present</p> <ul style="list-style-type: none"> Teach a supplementary programming lab in C++ for Programming Foundations I & II lecture, and grade labs, quizzes, and homework assignments Cover object oriented programming, data structures, arrays, pointers, linked lists, binary trees, stacks/queues, recursion, and sorting algorithm time complexities Serve as a resource and tutor for students in gaining a deeper understanding of C++ <p>Software Engineering Intern, Cerner Corporation, Kansas City, MO: May 2019 – August 2019, May 2020 – July 2020</p> <ul style="list-style-type: none"> Work on a team in Population Health to develop a holistic, preventative healthcare solution for healthcare managers who keep track of patient wellness and post-care routines Heavy utilization of React/JavaScript, and learned in-house Cerner Command Language (SQL-based scripting language) Develop a deep understanding of process control, code review techniques, and team integration from an industry standpoint using Agile SCRUM <p>Network Operations Engineer, Edafio Technology Partners, Rogers, AR: November 2018 – April 2019</p> <ul style="list-style-type: none"> Shadowed senior engineers working with VMware, cloud services, and Microsoft Active Directory Developed valuable communication skills in light of business solutions and IT services Set up laptops and computers for local clients (primarily medical practices)
VOLUNTEER	<p>Northwest Arkansas Give Camp 2020 – October 2020</p> <ul style="list-style-type: none"> Non profit for non profits around Northwest AR, grouping software engineers and project managers to help redesign and develop websites for local non profits Worked closely with a small team for the Essentials Outreach nonprofit (who provides free hygiene products low income people) to redesign their website for improved user experience
LEADERSHIP	<p>Resident Assistant, August 2016 – October 2019</p> <ul style="list-style-type: none"> Communicate and collaborate with the housing department, dormitory staff, and residents to build a functioning, efficient working group and a warm, positive atmosphere in the building Plan programs for audiences ranging between 30 to over 500 people; formulate itemized budgets (ranging from \$300 to \$2000) As head RA, manage other resident assistants, organize meetings, plan their duties, and mediate internal conflicts