

## Development Skills

**Full Stack Web Development:** NodeJS, React, AWS, GraphQL, TypeScript, PHP, SASS, MongoDB, REST

**Application Development:** C++, C#, Visual Basic, Vim, Visual Studio

**Mobile Development:** Java, React Native, Android Studio, XCode

## Education and Work Experience

### Bachelor of Science in Computer Science

University of Arkansas, Fayetteville, AR

Minors: Physics, Mathematics

May 2021

Honors Program

GPA: 4.0

### Full-Stack Software Engineering Intern at SupplyPike

- Worked alongside experienced developers in creating and managing a Transportation Management System (TMS) for freight brokers
- Learned the microservice architecture while working on front-end and back-end projects
- Developed a browser extension to auto-login users into carrier websites and auto-track shipments, cutting time spent looking up orders in half. 300 current active users
- Became familiar with supply chain and its terminology, as well as the process of creating and deploying software on a larger scale

Summer 2018 - Present

## Current Projects

### Home Management Mobile Application

- Developing a mobile application to be used by households to manage chores, meals, shopping lists, and other household needs
- Learned GraphQL, React-Native, how to write custom build/deploy scripts, and how to host applications on self-made server

Summer 2018 - Present

### Recreational Mathematics NPM Library

- Developed and currently maintaining an open-source library to calculate different properties of numbers found in recreational number theory
- Created new algorithms to solve for these certain properties in JavaScript

Summer 2018 - Present

### Honors Engineering Research (IOT Device)

- Developing device that allows users to interface with electronics using foot gestures
- Lead programmer: developed Bluetooth code for device and code for market study demos
- Researched the market by conducting surveys and product demos

Spring 2018 - Present

## Accomplishments

### ACM / J.B. Hunt Hackathon 1st Place Winner

- Led team of five to develop a license plate scanner mobile application for university parking department to validate a car's parking spot
- Tech used: React Native, Android Studio, WebSocket

Summer 2018 - Present

### Special Interest Group (SIG) Leader in ACM (Association for Computing Machinery)

- Current leader of the Artificial Intelligence SIG, 30 active members
- Created a playable checkers bot to teach the basics of AI
- Built connections with CS students, professors, and companies involved with AI

Fall 2017 - Present

### Presented Mathematical Research at JMM (Joint Mathematics Meetings)

- Researched the validity of creating prime generating polynomials and their applications
- Presented poster at JMM, the largest annual national mathematics conference

January 2018

### ACM / J.B. Hunt Hackathon 1st Place Winner

- Led team of four to create an interactive campus map with real-time event planning
- Tech Used: NodeJS, Google Maps API, AWS

October 2017

### Co-founder and Vice President: UASC (UArk Speedsolving Club)

- Teaching new members how to solve Rubik's cubes and similar puzzles
- Recruited over 50 active members through various involvement fairs

Fall 2017 - Present

### Eagle Scout, Member of Troop 214

- Senior Patrol Leader over 30 young scouts for two years
- Designed octagonal bench and arbor for high-school outdoor classroom, leading 30 young men in a total of 232 man-hours
- Member of the Order of the Arrow (Boy Scout honor society)

Fall 2016