

EDUCATION

New Albany, IN

Indiana University Southeast

Fall 2015-Fall 2020

- B.S. in Computer Science in Mathematics
- Coursework: Software Engineering; Programming Languages; Computer Structures; Data Structures; Data Science; Analysis of Algorithms; Database Concepts; Artificial Intelligence; Operating Systems; Web enterprise software

LANGUAGES, TECHNOLOGIES, AND OTHER EXPERIENCE

- C#; C; C++; JavaScript; PHP; Java; Python
- .NET Core MVC; Entity Framework; React; Redux; Git; JetBrains Suite; Unity3D; Angular; Laravel; React Native
- Linux; Nginx; Apache; IIS; cPanel WHM; Azure; vSphere; Raspberry Pi; Arduino

WORK EXPERIENCE

Full Stack Developer

Louisville Geek

March 2018-Present

- Work with Clients and development team to plan, develop, and support software applications.
- Other responsibilities include:
 - Maintain internal web servers and vms
 - Manage client hosting environments
 - Setting up Continuous Integration and Deployment for software development
 - Project management and direct client communication

Computer Science Tutor

Indiana University Southeast

Fall 2017-Spring 2018

- Assist Students in their course work by providing insight into the problem or assignment.
- Work closely with professors to ensure students understand material and seek appropriate assistance.

Produce Clerk

Kroger

March 2015-December 2017

- Keep produce floor full, fresh, and clean.
- Apply the 3A's (Acknowledge, Assist, and Appreciate) to all customers.
- Work well with team to accomplish tasks effectively and efficiently.

ADDITIONAL EXPERIENCE

Projects

[Github.com/jb1361](https://github.com/jb1361)

- **UptimeRmx** (2019-Present). Remote monitoring software for PLC's that provide machine information through custom protocol. The protocol spec allows the system to monitor all information from any machine through a robust configuration; .NET Core; React
- **RaspSat** (2019). A Cubesat project powered by Raspberry Pi's; Python
- **Exaltor** (2018). Internal Dev Ops system. React; .NET Core MVC
- **3CX Wallboard** (2018). Application to retrieve data from 3CX database to present it in a meaningful way and run a daily report. Laravel
- **Open Angel Arena** (2017). Open source contribution to a mod for the game called Dota 2. (github.com/OpenAngelArena)
- **Kattis** (2017-2018). Tackle programming problems from previous ACM contests. Python; C++

Research

- **RS3 GE Prediction Model** (2017). I developed a model that predicts future prices of items in a game by collecting three months of data and running a linear regression algorithm to produce price predictions.