



## QUALIFICATIONS SUMMARY

Passionate and proficient programmer that has experience in creating programs in team-based environments. I am looking forward to advance my career through new experiences at a company while learning different technologies.



## EDUCATION

### Bachelor's of Computer Science | Rockhurst University

2017 – 2021 | 3.65 GPA



## SKILLS & NOTABLE PROJECTS

- Proficient in C++, C++/CLI, Java, Python, HTML, JavaScript, and Lua
- Experience with various Machine Learning techniques & Tensorflow
- Experience with Unity and C#
- Implemented xUnit tests for both C++ and Java
- Experience creating Web Applications as well as using ASP.NET
- Experience with being effective at communicating, operating, and managing others within team-based environments
- Have effectively organized and prioritized key features of programming projects within agile/sprint-based product development environments
- Quick learner and very passionate about learning new concepts and languages
- When confronted with a problem, I can differentiate where to ask questions and do my own research

### “Pizza Shoppe” Database and Windows Form | C++/CLI & MySQL

- Created database using MySQL
- Used XAMPP to host our database, created a Windows Form with C++/CLI that used a secure login and used procedures to search for and display entries within the database

### Class Schedule Generator – Simulated Annealing | C++

- Given rules that held varying “weights,” generated an optimal class schedule
- Took factors such as class location, professor experience, and paired classes
- Generated many different class schedules, saved the most optimal and output it for the user

### 8 Puzzle Solver – A\* | C++

- For any given state, found the optimal next state by finding the maximum heuristic value calculated using each state's Manhattan value
- Would continue until program found a “dead” state, meaning the initial grid was unsolvable, or until the end state was successfully reached



## WORK EXPERIENCE

### Code Sensei | Code Ninjas

2020 – PRESENT

Managing the creation and facilitation of curriculum regarding Java, JavaScript, Lua, Python, C++, C#, and basic robotics.