

Matthew Radtke

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Summary

I am a student pursuing a degree in computer science at UW-Madison. I excel at problem solving in a team as well as alone. I love to challenge myself mentally. I am familiar with Java/C/C#/Web Development and have ~4 years of programming experience. Furthermore, I pursue my own projects outside of class and tutor friends/peers on programming solutions.

EDUCATION

University of Wisconsin - Madison

Exp. Grad Date May 2020

Computer Science BS

GPA: 3.331 (Dean's List Fall 2016/2017)

New London High School, New London, WI

2012-2016

High School Diploma

GPA: 4.0

RELATED COURSEWORK

Java Programming

Data Structures(Java)

Discrete Mathematics

Algorithms

Artificial Intelligence(Java)

Machine Organization and Programming(C)

Computer Graphics(Javascript/WEBGL)

Operating Systems(C)

Data Science(Python/SQL)

SKILLS

Object Oriented Programming

Java,C, C#, Python,ASP.net Core, Javascript, HTML/CSS

Web Development, SQL

Source control and Git

Can apply problem solving skills efficiently

Work well alone and with a team

Able to adapt and learn quickly

Familiar with different Data models to do data science

Can navigate and work in a cmd prompt(Linux bash)

PROJECTS

EFFICIENT LEVELING (SOLO/JAVA/C#)

- Program designed to keep track of stats for a video game using a text file to help a player level efficiently
- I learned, through my own efforts, how to create things such as JFrames specifically for this project
- Interactive UI that allows altering of stats file
- Recreated the same program as a windows form in C#

LABEL PROGRAM (INTERNSHIP/C#)

- Developed a console program that translates a scanned part number barcode to another part number
- Translation done via SQL Database to find corresponding part numbers from company A to company B
- Printed labels by sending API POST requests to a print server

EXPERIENCE

AS A TEAM MEMBER

- Wrote code alongside classmates to solve problems
- Used source control in a workplace to develop code among other developers
- Divided work among classmates to solve programs in an efficient manner
- Worked with SQL Databases in a work environment

“WISCONSIN” SHELL(SCHOOL/C)

- Created a shell inside a linux environment
- Implemented basic features of a shell(path, cd, history,...)

SHORTEST PATH PROGRAM (TEAM/JAVA)

- Program that used graphs and priority queues to find The shortest distance between 2 locations
- Involved use of Dijkstra's Algorithm to calculate this

GDPR AUTOMATION (INTERNSHIP/C#/WEB)

- Gather data from various analytic sources to comply with GDPR standards
- Used API GET's and SQL queries to find data and display on a web UI made with HTML/CSS/Bootstrap

SOLO

- Been programming on my own outside of class for 4 years
- Help tutor friends with programming solutions and other computer science classes
- Pursue own projects outside of class such as those mentioned above