**Benjamin Wasisco**

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HIGHLIGHTS OF QUALIFICATIONS

* Proficient in Java and Python, with OOP experience in a classroom and project experience.
* Experience with C within a classroom/lab environment.
* Reliable and dedicated fast learner who works well with others.
* Experience in leading a team and utilizing the strengths of my team members

EDUCATION

**Bachelor of Science in Computer Science** & Minor in Mathematics Expected May 2027

Washington State University, Pullman, WA

Relevant Coursework:

C/C++, Data Structures, Algorithms, Linear Algebra, Calculus III, Discrete Mathematics

SKILLS

C, C++, Java, Python, leadership shown in “Other Experience”; communication, team work

PROJECTS

**ASCII Image Generator**, personal project 2024

* Designed a program which recreated an image with ASCII characters
* This project was for experience with image processing, algorithms and python
* Used python libraries to convert input into pixels, then a weighted sum of RGB values for brightness
* Selected an ASCII character based on the pixel’s brightness
* Utilized a simple lossy compression algorithm to reduce file size and file write time.
* Let users customize the characters used or invert brightness

**Minesweeper**, personal project 2023

* Created a game of Minesweeper based on which difficulty the user imputed. With the minefield being represented by a two-dimensional array of mine class instances.
* Filled the field with mines then ran a search algorithm to find the number of adjacent tiles that had mines.
* Created a mouse listener to find which title a user clicked and if it was a left or right click to either explore or flag the title.
* The game had two ending conditions the user explored every mine-free tile or explored a tile with a mine. The project used JFrame and JButton

ACTIVITIES AND HONORS

Awards: Honor Roll WSU Spring Semester 2024, Dean’s List CLU Fall Semester 2023

Organizations: Crimson robotics and CLU computer science club

OTHER EXPERIENCE

**Lifeguard and Swim Coach**, Fairwood Golf and Country Club, Fairwood, WA May 2021 – August 2024

* Led 2 classes of swim lessons which prepared kids to join the swim team
* Communicated my goals for each practice to my instructors
* Gave parents information on their child’s progress and if they could join the swim team