Alexander Joseph Pienkawa Rosenbach

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https://people.rit.edu/ajr6974/230/portfolio/

SUMMARY

Aspiring software engineer with expertise in a variety of languages including C#, C++ and Java. Also proficient in web development with experience in HTML/CSS, JavaScript, APIs and frameworks. Has taken a variety of classes while maintaining a 4.0 GPA. Great team member with excellent critical thinking skills. Participation in two honor societies. Interested in development, and/or design of games and apps, as well as web development. Available August 2021.

EDUCATION

Rochester Institute of Technology (RIT), Rochester, NY   Expected December 2021
Bachelor of Science, Game Design and Development
Relevant Courses: Intro to Interactive Media (HTML/CSS), Game Development for Programmers (C#), Data Structures and Algorithms (C++)
GPA: 4/4

Holyoke Community College (HCC), Holyoke, MA   Expected December 2020
Associates of Science, Programming Option, Computer Information Systems
Relevant Courses Taken: Programming Fundamentals I (Python) and II (C++), Java Programming I and II. Credits: 77
GPA: 3.9/4

SKILLS

Programming Languages: C#, C++, Java, HTML5/CSS, JavaScript, Python
Tools: Unity, Visual Studio, Visual Studio Code, NetBeans

PROJECTS

Algorithm Comparator (Academic Project) – Sole Developer   May 2018
- Built a GUI that showed how many comparisons and operations a variety of sorting and searching algorithms took in Java.
- Extensive experience with sorting and searching algorithms for both arrays and linked list.
- Sorting Algorithms: Bubble, Insertion, Merge, Quick, and Heap.
- Searching Algorithms: Linear, Bilinear, and Hash.

Monopoly Game (Academic Project) – **Backend Developer in Group**   December 2017
- Programed the back end in C++ using pointers, polymorphism, and vectors. Successfully linked the back end to my partner's front-end.

EXPERIENCE

App Developer at HP Inc. - Paid Internship   June 2020 – August 2020
Houston, Texas (Remotely from Amherst, Massachusetts)
- Developed a PC application that paired with a phone to easily change the settings of a HP laptop remotely, anywhere: PC application built up in C#, iOS in Swift, Android in Kotlin/Java, other technologies involved using AWS, WMI, QR code pairing, and JSON.

AWARDS

- Max & Helene Frumkes Scholarship, RIT   Spring 2020
- M & M Forman Scholarship, RIT   2019-20
- Lillian Cown Scholarship, RIT   Spring 2019
- National Technical Institute of the Deaf Presidential Award, RIT   2018-20
- National Technical Institute of the Deaf Academic Excellence Scholarship, RIT   2018-20
- Phi Theta Kappa -- National Honor Society, HCC   Spring 2017
- Green Key -- Holyoke Community College Honor Society, HCC   Spring 2017