

Gareth Fultz

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PROFILE

University of Cincinnati Computer Science student seeking a Summer 2023 co-op position. Held two jobs focusing on XR development & collaboration. Designed, structured, and created a VR game using Unreal Engine. Built modern communication skills through work experience and extracurricular activities.

SKILLS

- Programming Languages: C++, C#, Java, JavaScript/Typescript, Python
- Programming Skills: Unity, Unreal, XR/3D Programming, 3D Math, Virtual Server Management, Web Development, Microsoft Office Suite, Git
- Other: Excellent Communication Skills, Willing to Learn, Passion for Programming

EDUCATION

University of Cincinnati

Expected Graduation: May 2025

Bachelor of Science – Computer Science

- 4.0 GPA - Dean's List
- Pursuing a Master of Engineering in Computer Science (*Expected Graduation: May 2025*)
- Honor's Student, IEEE Member, ACM Member, ACCEND, Mantei/Mae Award Recipient

Bishop Fenwick High School

Graduated May 2020

- 4.47 GPA (4.0 Unweighted) – Valedictorian
- Activities and Honors: Cross-country Captain, National Merit Scholarship Finalist/Recipient, Key Club, Community Service, National Honor Society Member, Spanish Honor Society Member

WORK EXPERIENCE

Kinetic Vision | Software Engineer Co-op

August 2021 – Present

- Utilized game engines and cutting-edge technology to create interactive VR, Web, and 2D experiences that met client expectations.
- Created a networked, multi-user WebXR application prototype.
- Designed and implemented a library of tools to facilitate the development of VR hand-tracking applications.
- Contributed to and collaborated with diverse, multidisciplinary teams in a fast-paced environment.

Air Force Research Laboratory | Wright Scholar Research Assistant

June 2019 – August 2021 (Seasonal)

- Worked on a toolkit to assist in designing aerospace vehicles using augmented reality and virtual reality
- Developed features involving model analysis, multidimensional data visualization, and using real time sensor data to visualize objects in a virtual setting.
- Wrote an add-on application allowing users to load a 3D object and deconstruct it in a virtual environment.
- Used debugging tools to diagnose and fix issues in a large open-source library.

PROJECTS

Honors Modeling II Project

January 2021 – April 2021

- Developed a python program with three group members to analyze multiple companies' logos using computer vision libraries.

VR Game Development

July 2021 – August 2022

- Utilized Unreal Engine, C++ programming, and 3D math skills to design and create a Virtual Reality game for Oculus headsets.

References are available upon request