

Alexander Shiveley

Permanent Address

(Hidden)

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Education

University of Cincinnati / Ohio May 2023

College of Engineering and Applied Science GPA 3.903

- Bachelor of Science, Computer Science
- ACCEND Master of Science, Computer Science
- Physics Minor

Fairfield Senior High School / Fairfield, Ohio Class of 2018

- AP Computer Science A, Physics C, Calculus BC, GPA 4.644
Statistics, English, US History
- Wright State University EGR1010 Math for Engineering Applications

Technical Skills & Foreign Languages

- C++, C#, Java, Ant, Maven, Jenkins, MSSQL, Oracle, Qt, Python, Visual Basic, MATLAB, LabVIEW, HTML, CSS, JavaScript, Microsoft Word, Excel, PowerPoint
- German (basic), Chinese Mandarin (basic)

Co-op Experience

Software Engineer Co-op at NLog Analytics January 2020 – present
NLog Analytics, Cincinnati, OH

- Debugged and resolved issues in internal build processes and researched, initiated, and presented a Maven build process for the Java server application
- Designed and implemented features in C# and Java for client and server software

Experience & Activities

Portfolio showcasing these and other projects: <https://ashiveley.github.io/Portfolio/>

Game Randomizers October 2018 – present

- Coded in C++ and C# with a UI created using C# WinForms a program to run other tools to extract files, decode binary data, modify data, and encode new data
- Wrote pathfinding and other algorithms for grids, probability distributions, and conditional checking

Android App Development June 2018 – June 2019

- Developed a prototype of an app in Java and C# Xamarin to read labels on heating units with 90% accuracy and export data to an Excel format

Gripper for Individuals with Limited Mobility January 2019 – May 2019

- Worked with a team to focus on engineering design processes by prototyping a gripper utilizing an Arduino and laser-cut parts

Memberships

- UC Cubcats CATiSE and LEOPARD August 2018 – January 2020
- Fairfield HS Engineering Club August 2017 – June 2018
- Fairfield HS Peer Tutoring August 2017 – June 2018

Awards & Scholarships

- University of Dayton Team Math Competition 1st place March 2018
- AP Scholar with Distinction July 2018
- UC Cincinnati Scholarship – Various volunteer work 2018 - 2020
- UC College of Engineering and Applied Science Scholarship May 2018

Availability

- Not currently searching for a co-op