

Zachary Collins

EDUCATION

Bachelor of Science, Computer Engineering
University of Cincinnati, Cincinnati, OH
University Honors Program

GPA: 3.97 / 4.0
Expected Graduation May 2019

Avon Lake High School
Avon Lake, OH

GPA: 4.6 / 4.0
Honors Graduate 2014

INDUSTRY WORK EXPERIENCE

Siemens PLM Software, Milford, OH

August 2015 - Present

Software Engineering Co-op, Product Engineering Software

- Contributed to development for NX, an enterprise level 3D CAD and simulation software
- Improved test framework supporting approximately 100,000 automated tests
- Wrote unit tests to increase test framework code coverage
- Gained experience with version control software
- Gained in-depth understanding of debugging processes and tools
- Collaborated with developers and QA/QC analysts across numerous teams on projects
- Created standalone programs to be delivered to customers
- Wrote NXOpen API examples for customers

TECHNICAL SKILLS

Programming Languages and Frameworks:

C++, C#, Java, Node.js, Express, Python, Visual Basic, Lua, Matlab, HTML, CSS

Other:

Linux, Windows, and mac OS operating systems, Git, Perforce, Visual Studio, Eclipse, Siemens NX and Solid Edge, Microsoft Office Suite, B2.SPICE, Multisim, Doxygen, Sphinx, GIMP

AWARDS AND HONORS

National Merit Scholar

- Honor achieved by top 7,600 of approximately 1.5 million high school seniors each year

Cincinnatus Excellence Scholarship

- One of the highest scholarships awarded to students at the University of Cincinnati
- Emphasis on community service

Eagle Scout

- Designed, organized, and led community service project at local animal shelter

AFFILIATIONS, PROJECTS, AND SKILLS

Sponsorship Director for RevolutionUC Hackathon

Treasurer for Association for Computing Machinery (ACM), University of Cincinnati Chapter

Coordinated and lead C++ review sessions and lectures with ACM

Built help desk ticketing system to connect mentors with students at hackathons (tIQit)

Created app to help people with physical impairments navigate public spaces (Campus-Accessibility)

Developed program to visually build and analyze digital circuits (digital-circuit-visualizer)

Member of Eta Kappa Nu Electrical Engineering Honors Society

Dean's List, University of Cincinnati, 2014-present

Fluent in Finnish