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# 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

### Cincinnati 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

Member of 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

Available for Fall 2017 Co-op