

# Jakob Wardega

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## Education

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University of Cincinnati, *Computer Engineering*

*Class of 2022, 3.592 GPA*

## Work Experience

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Siemens Digital Industries Software, *Application Developer Intern (Part-Time)*

*August 2021 – Present, January 2021 – April 2021, April 2020 – August 2020*

- Resolved 6-10 bugs of varying priority and difficulty on a weekly basis on a development branch of a cloud SaaS application, Solutionlink.
- Utilized AngularJS, C#, Google Chrome's debugger, Visual Studio 2019 and Azure DevOps daily.
- Balanced working with a team of Italy-based developers in sprints while attending school full-time.
- Created widgets in Mendix that utilize data from a Solutionlink API.

Siemens Digital Industries Software, *Hololens 2 Developer Intern*

*April 2021 – August 2021*

- Tested Hololens 1 and 2 applications and documented bugs and possible improvements.
- Updated a Hololens 1 application using C# to pull from a different web server as a data source.
- Reformatted the Hololens 1 application's backend to receive data from a different server and format.

Siemens Digital Industries Software, *Machine Learning Research Intern*

*August 2020 – January 2021*

- Tested, dockerized, and contributed to development of a GAN that learns from 3D-voxelized parts.
- Developed Haxe files to support the addition of the dockerized GAN in a toolkit.
- Completed a research project on federated learning with PySyft and differential privacy.

Siemens Digital Industries Software, *Application Developer Intern (Full-Time)*

*January 2020 – April 2020, April 2019 – August 2019*

- Collaborated with an Italy-based team remotely on the development of a cloud SaaS application, Solutionlink.
- Pushed features and bug fixes assigned to me to a developer branch of Solutionlink using Visual Studio 2019.
- Created an in-application JavaScript library for adding toolbars and populating them with buttons.
- Resolved 6-10 bugs of varying priority and difficulty on a weekly basis.
- Assisted new team members with onboarding, environment setup, and day-to-day questions.

Siemens Digital Industries Software, *Software Consulting Intern*

*January 2019 – April 2019*

- Assisted with the development a software certifications web page that displays the software certifications from 20+ large Excel spreadsheets into accessible, readable tables.
- Automated the process of updating the website's tables using extensive batch and SQL scripting.

## Technical Skills

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**Languages:** C++, C#, JavaScript, Batch, Python, Java, Haxe, SQL, and MATLAB

**Tools:** Visual Studio, Azure DevOps, AngularJS, Unity, Mendix, PyTorch, TensorFlow, PySyft, Git, Linux, Docker, and SQL

**Installations:** Teamcenter 2 and 4 Tier Client with various Teamcenter Integrations

## Personal Projects

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Practice Portfolio Website ([jaketm9.github.io](https://jaketm9.github.io))

*February 2019 – April 2019*

- Utilized Vanilla HTML/CSS/JS to create the website and GitHub Pages for hosting.
- Introduction to web development and the potential of JavaScript.

Seeking May 2022 Full-Time  
Open to Relocation