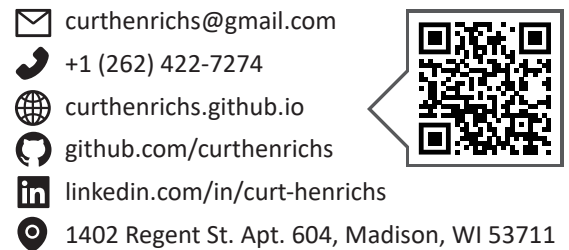


Curt Henrichs

Software Engineer

I am passionate about building real things for real people.



Dear hiring manager,

I am graduating this spring with a Master's degree in Computer Science for the University of Wisconsin - Madison. My educational and internship experiences in software engineering, embedded systems development, and robotics align well with the qualifications listed. Furthermore, my HCI and research experiences augment the technical skillset. Most of all, I bring a passion to build new technologies that impact real people.

In graduate school, I researched three topics within collaborative robotic manufacturing, asking:

1. How engineers author robot behaviors;
2. How operators interact with robots;
3. How to help operators learn robot programming.

Through these questions, I worked on several projects, developing web apps connected to ROS / Python backends. My coursework in computer science complemented my research with an emphasis on human-computer interaction, computer vision, and applied computer science projects. Lastly, I have contributed to several academic papers within my field.

For my bachelors, I studied computer engineering with a focus on embedded systems. During this time, I also worked as a software engineering intern developing embedded firmware in C / C++ and implemented in-house thermal chamber test automation (Python, NodeJS, and MongoDB). This internship afforded me the opportunity of working in an agile team with several mentors from electrical, software, and manufacturing backgrounds.

My strength is in being able to draw on my toolbox to complement and connect with collaborators. Through my education and work experiences I have shown that I can readily switch roles from a low-level embedded systems developer through to high-level web programmer and human-robot interaction designer. I bring value to your company by being familiar with the *whole stack*; from circuits and bit-masks to web apps and UX.

Please review my attached resume and application for further clarification of my skills and projects. Do not hesitate to reach out for any questions or clarifications. I am excited to start the next chapter of my career and would love to meet with your team to discuss this position.

Thank you for your consideration.

Sincerely,

Curt Henrichs
Graduate Research Assistant - People and Robots Lab
Computer Sciences
University of Wisconsin - Madison