

Benjamin E. Ziemann

Combining my love of storytelling and robotics I am pursuing a career in creative technology and entertainment fields.

Education

Olin College of Engineering

- 2016-2020
- 3.91 GPA
- 4-Year, 50% Tuition Merit Scholarship

Engineering, Concentration in Robotics

Relevant Coursework

- Data Structures and Algorithms
- Computational Robotics
- Software Design
- Mechanical Prototyping

Skills

Software

- Python, C#, Typescript
- Arduino, Raspberry Pi
- Git, SVN

Prototyping

- FDM 3D Printing
- SLA 3D Printing
- Solidworks
- Laser Cutting
- Basic Machine Shop

Personal Info

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Git: [zneb97](https://github.com/zneb97)

Experience

Epic

Software Developer

Madison, WI

2020-Present

- Developed and maintained healthcare software to meet continually changing regulations in the Home Health and Hospice space.
- Javascript/Typescript/React front end, C# web server, M database

Walt Disney Imagineering

Show Software and Controls Intern

Orlando, FL

Summer 2019

- Worked with the design, documentation, and implementation of safety code on PLCs for Mickey and Minnie's Runaway Railroad

Weissman Foundry/Olin College

Shop Technician

Needham, MA

2016-2020

- Prepare and improve various workspaces (wood shop, digital fabrication) for usability and safety
- Train more than 200 students from 3 colleges yearly on a variety of tools (wood shop, FDM/SLA printers, 3D scanner)
- Plan and host large community events (200+ people) to improve community relations and promote the space

Tire Profiles LLC

Software and Electrical Intern

Irving TX

Summer 2016

- Designed and built software and electrical systems for a working tradeshow piece showcasing TredSpec sensor line using Arduino and Raspberry Pi
- Collaborated long distance with mechanical intern to ensure efficient integration of sensors in tradeshow piece

PaR Systems

Software Design Intern

Shoreview, MN

Summer 2018

- Operate and program FANUC and Kuka brand robots for short cycle (<1 sec) operations in food and palletizing industries
- Developed vision based seam finding on boxes for use with robotic arm path planning

Embue

Software Development Intern

Worcester, MA

Summer 2017

- Developed automatic window opener for integration with core product line
- Partnered with WPI Combustion Labs to collect and analyze sensor data for use in future product development