Ethan Zeronik

I'm an intuititve learner looking to broaden my expertise and refine my skills in a professional environment.

Education:

Purdue University 2019 - Present
- Bachelors in CIT pursuing an ECET minor

Heritage Christian Highschool 2006 - 2019
- Graduated with an Honors Diploma

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Experience

Mesh Systems Full Time (2021-2022)
- Assisted in the creation of embedded devices
- Created, implemented, and managed Azure resources for existing and new projects
- Collaborated with tech leads on new and emerging technologies
- Managed IT infrastructure and used PowerShell scripts for administrative tasks
- Helped architect, design, and create a production ready IoT solution

Westfield Internship (Jan 2019)
- Participated in maintaining large scale networking infrastructure
- Installed networking equipment
- Participated in daily business practices and administrative duties

Mesh Systems Internship (Jan 2018)
- Learned the fundamentals of git distributed version control system
- Created git aliases to implement the One Flow git workflow
- Learned how to apply agile methodologies to project deliverables

Activities

Robotics
- Designed, diagnosed, and fabricated complex robotic mechanisms
- Competed and won several high-profile competitions like State and Worlds

Theater
- Designed and constructed elaborate theater sets including an elevated, rotating dodecahedron set piece
- Implemented innovative set pieces and remote lighting systems to create immersive experiences

Projects

Management Bot
- Created, tested, and deployed a REST API to integrate separate services
- Used Github Actions and Azure Container Services to create a CI/CD implementation

Liquid Pixel
- Developing a customizable system of wireless remote lighting peripherals
- Automated build and distribution of applications using Azure Pipelines and GitHub

Alexa Pi
- Created a custom user experience using Amazon AWS and Docker containers
- Expanded personal IoT infrastructure while adding functionality to existing systems

Various Projects
- Using various technologies and services like Fusion 360, Eagle CAD, Node.js, and Arduino to design and fabricate multiple diverse projects
- Examples: OpenSmartwatch, portable handheld Pi, wireless lighting, videogames, and client/server applications

Dedicated to Learning

Skills
- CAD, 3D printing, Dev Ops, Communication, Technical Documentation, Version Control, CI/CD

Technologies
- JS, TS, C, C#, Git, CSS, HTML, Electron, Node.js, Azure Sphere, PowerShell, Ladder Logic

Honors

College National Honors Society

Engineering Excellence Award