

# Garrett Stallsmith

Software Engineering

Cyber Security

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## PROJECTS

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### **MiQRo** at [github.com/gwstallsmith/MiQRo](https://github.com/gwstallsmith/MiQRo)

- Laboratory focused web application cloud database utilizing QR codes for data lookup.
- Utilizes Flask, Docker, and MySQL for the backend, Bootstrap and CSS for the frontend.
- Developed in conjunction with the Arts and Sciences Information Technology department at Kent State.

### **Prividata Secure Health** at [github.com/gwstallsmith/Prividata-Secure-Health](https://github.com/gwstallsmith/Prividata-Secure-Health)

- Developed a cloud database for a Data Security and Privacy class to exemplify data security between an untrusted cloud service and a hospital with sensitive patient information.
- Utilizing Fernet symmetric encryption, SHA-256 hashing, and k-anonymity to keep data private.
- Employs Python and Flask for the backend and HTML and CSS for the frontend.

### **Unit Circle Visualizer** at [gwstallsmith.github.io/Unit-Circle-Visualizer/](https://gwstallsmith.github.io/Unit-Circle-Visualizer/)

- Developed an animated unit circle visualization tool and calculator to assist in student learning.
- Uses HTML/JS/CSS for menu and webpage, p5.js for animation.

### **Nonapus Adventures** at [struck713.github.io/nonapus-adventures/](https://struck713.github.io/nonapus-adventures/)

- A roguelike game, where you, the Nonapus, fight through dungeons of ocean creatures!
- Developed art and gameplay elements.

## WORK EXPERIENCE

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### **Lead IT User Support Analyst** at Kent State University

800 E Summit St, Kent, OH 44240

May 2022 - Present

- Provide technical support for campus faculty and staff, hardware and software.
- Administration of computer systems in business technology, research laboratories, personal computers.
- Utilized tools such as Active Directory for domain administration, and Office Suite for collaboration.

### **Math Tutor** at Kent State University

800 E Summit St, Kent, OH 44240

August 2022 - Present

- Tutor over ten undergraduate students per week in subjects such as: Algebra, Trigonometry, Calculus.
- Swiftly diagnose and divide complex problems into smaller tasks for deeper understanding.
- Developed Unit Circle Visualizer to help students use Geometry to understand Trigonometry.

[gwstallsmith.github.io/Unit-Circle-Visualizer/](https://gwstallsmith.github.io/Unit-Circle-Visualizer/)

## EDUCATION

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### **Bachelor of Science, Computer Science; concentration in Information Security**

Kent State University

August 2020 - May 2024

Youngstown State University

August 2018 - May 2020

## SKILLS

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|----------------|-------------|----------|
| • Git / GitHub | • Unix      | • SDLC   |
| • Cryptography | • Wireshark | • Docker |