

# Jacob Rogers

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[linkedin.com/in/jacob-rogers-3b8332151](https://www.linkedin.com/in/jacob-rogers-3b8332151), [https://jacobrogers603.github.io/jacob\\_rogers\\_portfolio](https://jacobrogers603.github.io/jacob_rogers_portfolio)

## SKILLS

<u>Languages:</u>	JavaScript, TypeScript, C#, Python, HTML, CSS, JSON
<u>Frameworks &amp; Libraries:</u>	Next.js, React, Next Auth
<u>IDEs &amp; Dev Tools:</u>	Visual Studio, VS Code, Git, TFVC
<u>Game Dev:</u>	Unity, ECS
<u>Database:</u>	MongoDB
<u>Project Management:</u>	Agile, Azure DevOps

## EXPERIENCE

### SOFTWARE ENGINEER / Sub-Lead

Proactive Technologies Inc.

*August 2022-February 2024*

- **Unity & C# Development:** Played an integral role in the development of military training simulations using Unity and C# on the Electronic Technician Radar Trainer and Advanced Arresting Gear Trainer.
  - o Designed and implemented numerous C# classes that act as components or systems for the entities in the simulation.
- **Rapid Task Completion:** Spearheaded a team assigned with implementing a third of the simulation, achieving in just one month what was originally slated for a four-month timeline.
- **Customer Interactions:** Led in-person demonstrations, garnering positive feedback, and fostering a strong relationship with a principal client, the US Navy.
- **ECS Pattern and Tool Expertise:** Employed the Entity Component System (ECS) pattern during development. Utilized tools like Visual Studio and Team Foundation Version Control (TFVC).
- **Systems Engineering:** Stepped into the role of a systems engineer when needed for faster progress.
  - o Refined system requirements to ensure realism and accuracy.
  - o Translated these requirements into functional components in the simulation in config files.

## Web Development Portfolio

A portfolio of various web development projects I have made, linked at the top of the page and [here](#).

### Mark My Words:

A full stack webapp I built that provides an online profile for storing and sharing markdown notes. It is complete with features such as: image support, collaboration on notes, downloading and uploading, a public folder viewable from anyone via a live link, and adding predefined templates to notes. For more information and a live demo see my portfolio.

### Other Projects:

Full stack Netflix clone, frontEndMentor.io challenges, custom build portfolio website

## EDUCATION

### B.S. IN COMPUTER SCIENCE

University of Central Florida

*Graduated December 2021*

- Accumulated GPA: 3.5
- Relevant Coursework: AI, Bioinformatics, Security in Computing, CS I & II, Object Oriented Programming, Computer Graphics.

**REFERENCES:** Available upon request.