Jacob Rogers

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Software Engineer with a robust skill set in both web development technologies and immersive training simulations. Proven track record of quality project contributions resulting in a promotion to sub-lead, where I continue to gain invaluable leadership experience and refine my skills in direct customer engagement. Adept at turning challenges into opportunities, with success in cross-team collaboration and problem-solving, both in on-site and remote settings.

SKILLS

Languages: JavaScript, C#, Python, HTML, CSS, JSON

Software: Git, Unity, Visual Studio, TFVC, VS Code, Azure Dev-Ops

Additional: ECS, Data structures, algorithms, Agile

EXPERIENCE

SOFTWARE ENGINEER / Sub-Lead

Proactive Technologies Inc.   *August 2022-Present*

- **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.

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.

RELEVANT PROJECTS

UCF SENIOR DESIGN PROJECT

Sporsight Inc.

- Partnered with a team of five computer science students to design an app to improve a golfer's swing via recording themselves, then receiving prescriptive feedback from an AI coach.
- Coded in Java, using Android Studio, utilized Git and Agile.

REFERENCES: *Available upon request.*