

# TREVOR DEMAY

## SOFTWARE ENGINEER

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## PROFESSIONAL OVERVIEW

Starting as a child and continuing through adulthood, I have been working towards building the skills for my career as a software engineer. With hands-on experience dealing with front-end and back-end development as part of a small company, I have worked with a variety of software development tools such as xUnit/JUnit testing, containerized environments, and scalable systems using Docker and Kubernetes.

## WORK EXPERIENCE

### Software Engineer

Bluemont Research & Technology, Inc., Luray | 2024- Present

- Played a lead role in developing and maintaining company websites.
- Took charge in upgrading systems to use containerized workflows and functional unit tests.
- Collaborated with a small team of developers to create marketable, high-quality products.
- Developed the company's ticketing system for consumer requests and product development.

## PROJECTS

### Virtual Realistic Augmented Training (VRAT)

<https://vrat.bluemonttechnology.com/>

- Learned many tools for product development such as C++/C#, Unity, Unreal Engine, and Bootstrap.
- Designed and implemented a virtual reality environment for military training operations dealing with CBRNE procedures.
- Built a portal website for creating and sharing custom-made training courses.
- Participated in networking events to market and demo our product.

### Photon

<https://bluemonttechnology.com/photon/>

- Designed and implemented a computer network visualization tool using PCAP files to analyze traffic.
- Built scalable and containerized workflows with Aspire, Kubernetes, and Docker for deployment.
- Implemented unit tests to validate parsing and visualization logic in order to ensure clean builds.

## EDUCATION

### Bachelor's degree

Arizona State University  
Expected - 2027

### Associate's degree

Laurel Ridge Community College  
2022

## TECHNICAL SKILLS

- C/C#/C++, Java, Python, Typescript
- React, HTML, CSS, Bootstrap
- Docker, Kubernetes, Aspire, Git, WSL, xUnit/JUnit
- SQL, SQLite
- Windows, Linux/Unix
- Unity, Unreal Engine, SharePoint, WordPress

## ACHIEVEMENTS

### Microsoft Office Specialist:

Access 2016  
Microsoft  
2018

### Introduction to Programming Using HTML and CSS

Microsoft  
2018

## PROFESSIONAL DEVELOPMENT

### Cybersecurity Club

Stone Bridge High School, VA  
2017