

MATTHEW UNDERATION

SENIOR SOFTWARE ENGINEER

PROFILE

Experienced in designing and developing robust software solutions from start to finish, as well as constructing efficient and reliable DevOps pipelines. I also have passion for both virtual and augmented reality software, as I see a bright future behind these emerging technologies.

I am looking to acquire a position where I can further my education and improve my skills, while effectively contributing to the growth and success of the organization. I aspire to pursue greatness through hard work, diligence, and synergy with my coworkers.

CORE COMPETENCIES

- Excellent in developing, implementing, and testing software programs.
- Expert in working with VR and AR technologies.
- Trained in both front-end and back-end software development.
- Experience with managing a small development team
- Strong communication and interpersonal skills
- Exposure to an Agile development environment

CONTACT DETAILS

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EXPERIENCE

SENIOR SOFTWARE ENGINEER

Eastbanc Technologies | 2020 - Current

- Develop & maintain front-end and back-end ASP.NET applications for satellite management clients.
- Integrating Azure DevOps and Octopus Deploy CI/CD systems into manually deployed enterprise software.
- **Technologies used:** ASP.NET, Azure DevOps, Javascript, Oracle SQL, IIS Server, VBScript

LEAD SOFTWARE ENGINEER

Motor Control Lab VCU | 2017 - 2020

- Developed multiple novel rehabilitation-based Virtual Reality games to optimize movement behaviors in Cognitive Impairment, and chronic pain groups.
- Exposure to large scale human data collection and data analysis algorithms.
- Managed a small team of junior developers while using agile methodologies.
- **Technologies used:** C#, Unity Engine, .NET Core, SteamVR, Python

ACADEMIC BACKGROUND

COLORADO TECHNICAL UNIVERSITY

Bachelor of Science in Computer Science | 2017-2021

TECHNICAL SKILLS

- **Languages:** C#, C++, Python, JavaScript, HTML, CSS, VBScript
- **Frameworks:** ASP.NET, Classic ASP, Unity, Azure DevOps
- **Operating Systems:** Windows, Linux, Unix, OS X 10+
- **Database:** SQL, MySQL, Oracle

ACHIEVEMENTS

Co-Authored Research:

- *W. -E. Wang et al., "A Novel Method to Understand Neural Oscillations During Full-Body Reaching: A Combined EEG and 3D Virtual Reality Study," in IEEE Transactions on Neural Systems and Rehabilitation Engineering, vol. 28, no. 12, pp. 3074-3082, Dec. 2020*
- *Wang, W.-e., Ho, R.L.M., Gatto, B., van der Veen, S.M., Underation, M.K., Thomas, J.S., Antony, A.B. and Coombes, S.A. (2021), Cortical dynamics of movement-evoked pain in chronic low back pain. J Physiol, 599: 289-305*