Mark Halka

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WORK EXPERIENCE

MATLAB Student Ambassador, MathWorks - *Feb/2021 - present*

→ I organize and host MATLAB events, using my excellent communication and project management skills

Mathematics Tutor, Mathnasium - *Sept/2018 - Apr/2020*

→ I taught calculus, and increased the client base due to my mathematics skills

Previous Experiences:

→ Over 5 years of tutoring experience, at Sylvan Learning Center, Mathnasium and privately, helping me develop exceptional communication and math skills

PROJECTS

Read-the-room: first place project at U of T NewHacks hackathon. Using MATLAB and machine learning it finds the percentage of students disengaged during online lectures.

DiveVR: online science tutoring service that uses machine learning to change the order, content and delivery of lessons for the most effective teaching experience possible.

VR System in C++: play any game in VR for under $15, my using software and hardware.

3D Game Engine in Java: features include accurate physics, and an easy-to-use API.

EDUCATION

B.Sc. in Computer Science, University of Waterloo, 2025 (expected)

→ $20,000 in scholarships, with 97% admittance average, and top 1% in multiple math and computer science contests

TECHNICAL SKILLS

Python, C, C#, Java, MATLAB, TensorFlow, R, Unity, Keras, scikit-learn, Git