

# Kermit Mitchell III

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## Skills and Training

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**Computer Science:** Data Structures, Algorithms, Complexity Analysis, SDLC, Object Oriented

**Programming:** C#, C++, Python, HTML5, JavaScript, SQL, OpenGL, Debugging, Prototyping

**Software:** Unity, Unreal Engine 4 / UE4, Blender, Visual Studio, Android, Linux, Git, Profiling

**Math:** Calculus, Linear Algebra, Geometry, 3D Math, Modeling, Optimization, Data Science

**Soft Skills:** Problem Solving, Analytical, Collaborative, Project Management, Public Speaking

## Featured Projects

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**Slot Machine Game Prototype - Unity C# , Game Development and Software Engineering**

Programmed a slot machine game in Unity and C#. Developed the prototype via reverse engineering, diagrams, and analysis. Implemented the pay table, SFX, animations, and customization options.

**Gamma Stryker 5™ - Unity C# Online Multiplayer Mobile Game, Game Development (WIP)**

Programming a game in Unity 3D and C# where players battle with spaceships. The game will use cloud-based game servers and features gameplay systems, physics, in-app purchases, and online matchmaking.

**Pokedex Camera - Image Classification, Computer Vision and Machine Learning**

Programmed an image processing app in OpenCV Python and scikit-learn that identifies Pokemon in images from camera input, using feature extraction, SVM, similarity measures, and text-to-speech data.

## Leadership Experience

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**Lead Programmer, Video Game Development Club**

August 2017 – Present

- Manage an Agile multidisciplinary team of 20 indie game developers to meet organizational goals.
- Lead Scrum meetings and code reviews to amplify work quality and ensure milestone completion.

**Entrepreneurial Client, Fredonia Technology Incubator**

August 2017 – Present

- Receive business development mentoring, and advise investors on local economy initiatives.
- Secured over \$25,000 in seed capital investments to construct a multimedia studio for 10+ startups.

**Finalist (4/70), Facebook NY Statewide Competition – [College Possible Coding Challenge](#) (2017)**

- Designed a web application in HTML5 and CSS that helped students network and find scholarships.

## Education

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State University of New York at Fredonia – Fredonia, NY

May 2020

**Bachelor of Science (BS) in Computer Science and Applied Mathematics** (Double Major)