Kevin O'Mara

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Education

2016 - Present	**Master of Science – Computer Science**
	San Diego State University, CA
	GPA: 3.88/4.00
	Expected Graduation: December 2017

2012 – 2016	**Bachelor of Science – Physics**
	San Diego State University, CA
	GPA: 3.66/4.00

- Vice President of the Society of Physics Students
- Physics tutor
- Outstanding Student (awarded by Department of Physics)

Qualifications

Languages
- Main:
    - C#
- Experienced:
    - Fortran, Bash, C, Lua
- Used in the past:
    - Java, C++, Python, SQL, Assembly, OpenMP

Frameworks & Technologies
- Main:
    - Visual Studio, Git, Unity, Microsoft Office, Windows
- Experienced:
    - Linux, VirtualBox, ZeroBrane Studio (Lua IDE), Photoshop
- Used in the past:
    - Eclipse, LÖVE, InDesign

Projects (https://github.com/kevin-d-omara unless noted)
- Solo:
    - **Dudes-in-a-Corridor** (in progress) – wrote a ray marching algorithm for precise line of sight detection on a grid
- Team:
    - **Rocket Car** – managed a team of 4 to create a 3D racing game
    - **Physics Senior Thesis** – implemented matrix inversion to achieve 3x speedup of many-body Schrödinger approximation algorithm
    - **Huckster** – lead an international team in creating the most popular fan-made hero for the board game Shadows of Brimstone
        - https://boardgamegeek.com/filepage/116086/new-hero-huckster

Other
- Oarsman for San Diego State University Men's Crew (2012-2014)
- Calisthenics (ongoing)