Kevin O’Mara

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1. [Install Monster’s Easy Submit](http://www.monster.com/MonsterResumeEasySubmit/Install/) add-in by clicking the “Install” icon on the menu ribbon.
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For any issues or questions, please visit the [Easy Submit installation support page](http://r.office.microsoft.com/r/rlidEasySubmitHelp?clid=en-US).

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• https://github.com/kevin-d-omara • <https://www.linkedin.com/in/kevin-d-omara>

Education:

**Master of Science: Computer Science Expected Graduation: December 2017**

*San Diego State University (SDSU),* ***GPA: 3.88***

**Bachelor of Science: Physics May 2016**

*SDSU,* ***GPA: 3.66***

**Skills:**

* **Programming Languages:**
  + JAVA,C++, C#, Fortran, C, SQL, Assembly, OpenMP, Lua, Python, Bash
* **Software and Integrated Development Environment (IDE):**
  + UNIX (Solaris), Linux (Ubuntu) Windows (2010, 2008, XP, Vista, 7), MAC OS 10, Eclipse, VirtualBox, Adobe Photoshop, Git, Unity3D, Visual Studio 2010, Microsoft Office Suite (2013, 2010), ZeroBrane Studio (Lua IDE), InDesign, LOVE, Atom, Notepad++

Projects:

Student Research Symposium, SDSU March 2016 – Present

Improved Numerical Projection of Angular Momentum

GitHub Open Source June 2015 – Present

Experience:

***Undergraduate Research Assistant,*** *SDSU Research Foundation* **6/2015 – 8/2016**

• Researched a new approach to the angular momentum-projected Hartee Fock approximation.

• Implemented a new algorithm based on linear algebra to achieve a 3x speedup with promise of 10x speedup after

further enhancements.

• Wrote extensive scripts to test new algorithm including: time profiling, numerical analysis, optimization, and accuracy.

***Graphic Design Artist,*** *SDSU Research Foundation* **4/2016 – 5/2016**

* Created appealing and informative graphics for the physics department announcements

**Awards & Affiliations:**

***Honorable Mention at Northrop Grumman Code-A-Thon,*** *SDSU* ***11/2016***

***Magna Cum Laude Graduate,*** *SDSU* ***5/2016***

***Dean’s List,*** *SDSU* ***5/2016***

***Outstanding Physics Student,*** *SDSU* ***5/2016***

***Vice President, Society of Physics Students (SPS),*** *SDSU* ***9/2012 – 5/2016***

***Most Improved Oarsman,*** *SDSU* ***5/2013***

***Oarsman, Men’s Crew,*** *SDSU* ***9/2012 – 5/2014***