Samuel T. **Jahnke**

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"Be the change that you want to see in the world."

Education

California Polytechnic State University   *San Luis Obispo, California*
National Exchange Program   *2018-2019*

University of Wisconsin Stout   *Menomonie, Wisconsin*
B.S. in Applied Math and Computer Science   *2016-2019*
- 3.82 GPA

Skills

Programming   C/C++, C#, Java, Python, HTML, Javascript, Bash, LaTeX
Software   Linux, Git, Emacs, Unity 3D, Docker
Projects   Unity 3D, OpenGL, Databases, AI, SaaS

Experience

Software Engineer Asc.   *King of Prussia, Pennsylvania*
Lockheed Martin - Space   *Sept. 2020 - Present*
- Battled with the complexity of maintaining a large codebase by sifting through hundreds of thousands of lines of code and logs shown by my exceptional adherence to existing architecture.
- Automated development procedures with makefiles and python scripts.
- Worked with my team to accomplish goals shown by my feature level improvements within time limitations.
- Made codebase more maintainable by having more deletions than insertions in my git commits.

Web Developer   *Wayne, Pennsylvania*
HVH Precision Analytics   *Nov. 2019 - Apr. 2020*
- Worked with Amazon AWS resources to query medical patient data and run analytics.
- Helped develop localized testing environment with mimicked network connections and user inputs.
- Automated development procedures with makefiles and python scripts.
- Made several required full-stack changes to client web access portal using Dotnet, SQL, and Vue.js.

Game Developer   *Menomonie, Wisconsin*
Independent   *Summer 2016 - Present*
- Winner of University of Wisconsin-Stout spring game jam.
- Create smooth gameplay, highly optimized performance, and custom game elements such as dynamic mesh generation, custom shaders, and real-time scene loading/culling.
- Play my current project with other real players at `http://boundaries.cloud`

Advanced Math Tutor   *Menomonie, Wisconsin*
University of Wisconsin - Stout   *Mar. 2016 - Exp. Jun. 2017*
- Displayed skills in calculus and linear algebra by breaking down advanced mathematical concepts to a less technical audience.
- Worked at an intense, high energy pace by balancing several students' questions and concerns simultaneously in a packed tutor lab.

Web Developer   *Twin Cities, Minnesota*
Shotgun Express, Inc   *Fall 2018*
- Independently created JavaScript app to calculate price of delivering various shipping pallets to various places around the twin cities. Prices are retrieved automatically from a Google spreadsheet to allow non-technical personnel to edit prices when needed. Removed the need to reference several tables to find the correct price, dramatically improving the efficiency of the operation.