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

Experience

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.
- Handled database code migrations using new documentation and git to fix merge conflicts.
- 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 by using Unity and a strong grasp of C#.
- Experience in pure C++/OpenGL and custom shaders from independent project "Big Crystals" on github.

Lifeguard / Swim Trainer   *Albert Lea, Minnesota*
City Aquatic Center / City YMCA   *Summer 2018*
- Stayed alert and focused for several hours at a time while communicating as a team to ensure a summer free of incident or injury.
- Worked hands on with advanced swimmers, drastically improving their swim speeds.

Advanced Math Tutor   *Menomonie, Wisconsin*
University of Wisconsin - Stout   *Mar. 2016 - Exp. Jun. 2017*
- Displayed mastery of 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.
- Improved individual student grades by providing personalized attention.

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.

IT Assistant   *Alden, Minnesota*
Alden-Conger High School   *Summer 2016*
- Helped expand fiber optic network by setting up new network switch in new facility.
- Set up and organized new faculty computers and computer lab by introducing a powershell script.