

# Samuel T. Jahnke

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

## Experience

### Game Developer

*King of Prussia, Pennsylvania*

INDEPENDENT

*Summer 2016 - Present*

- Play my current project with other real players at <http://boundaries.cloud>
- Realtime, self hosted infinite 3D world streamed asynchronously to multiple unity client.
- Client shares class library with entity framework server to send and receive minimized byte messages through web-socket for an *unprecedented* development velocity.
- Highly custom features such as local development support, test scenario creator, and a featherlight codebase that deploys in seconds.

### 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 such as kubernetes and gitlab pipelines with makefiles, bash, and python scripts.
- Worked with my team to accomplish goals shown by my feature level improvements within time limitations.

### 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.
- Made several required full-stack changes to client web access portal using Dotnet, SQL, and Vue.js.

### 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.

## Skills

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

## 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