

Samuel T. Jahnke

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

Experience

Math Tutor

Rosemont/Blue Bell, Pennsylvania

MATHNASIUM

Dec. 2021 - Present

- Customize interactions with students through listening one-on-one what the student needs to be open to learning and have a pleasant experience.
- Encourage general understanding of concepts by asking many questions and creating unique problems or diagrams.

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 - Dec. 2021

- 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

Menomonee, 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.

Skills

Programming C/C++, C#, Java, Python, HTML, Javascript, Bash, LaTeX

Software Linux, Git, Emacs, Unity 3D, Docker, ORM

Projects OpenGL, Databases, AI, SaaS, WebSockets, NLP

Education

California Polytechnic State University

San Luis Obispo, California

NATIONAL EXCHANGE PROGRAM

2018-2019

University of Wisconsin Stout

Menomonee, Wisconsin

B.S. IN APPLIED MATH AND COMPUTER SCIENCE

2016-2019

- 3.82 GPA