

William Schaller

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Education

California Polytechnic State University

San Luis Obispo, CA

- B.S in Computer Science

2013 - 2017

- Senior Project: Automated quality assurance using machine learning at Amazon.com

Experience

Software Development Manager, Amazon.com, CA

Jan 2019 - Present

- Manage a team of engineers building websites and file processing workflows.
- Proposed and implemented a combination of two internal tools saving hardware costs and reducing code complexity.
- Organize and run a machine learning working group composed of senior engineers from across the Amazon business.

Software Development Engineer, Amazon.com, CA

Jun 2014 - Dec 2018

- Designed and implemented high throughput data transformations for migrating millions of data entries between systems.
 - Drove a 60% increase in file processing speed by profiling and optimizing existing logic.
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Personal Projects

Ultimate Sorry

Feb 2019

- <https://github.com/Schallerwf/sorry>

- Simulates various types of AI playing each other in the board game 'Sorry'. Provides UI experience that predicts the winner of a game given a board state.

Don't Stop Writing

April 2017

- <https://DontStopWriting.com>

- A website that helps relieve writer's block by forcing the user to keep writing.

Enhancer

March 2017

- <https://github.com/Schallerwf/Enhancer>

- A neural network implemented in python that enhances image resolution.