

# James Sipprelle

github.com/jsipprelle  
jamessipprelle.com  
jsipprel@asu.edu

## Summary

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I wrote my first computer program and built my first website when I was in elementary school. I have completed computer science coursework at the graduate and undergraduate levels and will receive a B.S. in Computer Science this year.

## Skills

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Programming languages: C++, Java, PHP, SQL, JavaScript, C#, Python, Swift

## Projects

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**OntologizeThis**, interpreter — Java

[github.com/jsipprelle/OntologizeThis](https://github.com/jsipprelle/OntologizeThis)

- Implemented a multi-threaded algorithm to compute solutions to logic problems.

**MessageMe**, chat application — PHP, SQL, JavaScript

[github.com/jsipprelle/MessageMe](https://github.com/jsipprelle/MessageMe)

- Implemented a “back end” messaging API, including an authentication system.
- Implemented a “front end” GUI.

**LifeSim**, video game — C++

- Implemented a physics engine, collision detection, and 2-d graphics.

## Education

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**University of Maryland Global Campus**

Bachelor of Science in Computer Science

Expected Fall 2021

**Arizona State University**

Professional Certification in Software Engineering

December 2020

**Arizona State University**

Bachelor of Arts in Philosophy

Spring 2019

## Work History

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**Substitute teacher** at CVUSD and PVSD

September 2019—March 2020

- Substitute taught a variety of middle school and high school classes.

**Computer programming instructor** at the Coding School

Summer 2015

- Taught computer programming using MIT Scratch.

## Community Service

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**Volunteer** at Moorpark Pantry Plus

May 2018—March 2020

- Volunteered for over 400 hours at a food pantry.