

EMPLOYMENT

Software Engineer	TCS	Jan 2021 – Present
--------------------------	------------	---------------------------

- Developed integrations using the AWS SDK for Python (Boto3) to provide low-level access to AWS services in order to quickly perform actions available in those services.
- Created documentation outlining the process of developing integrations providing a reference for the team.
- Developed unit tests with Pytest to ensure integrations with AWS services produced expected results.

Undergrad Research Assistant	Arizona State University	June 2019 – Dec 2019
-------------------------------------	---------------------------------	-----------------------------

- Developed statistical models and performed data analysis with R/Python. Data provided by the University Provost Office.
- Documented trends in STEM recruitment and retention at ASU. Created a research paper from our findings using LaTeX.

Supplemental Instr. Leader	Arizona State University	Jan 2019 – Dec 2019
-----------------------------------	---------------------------------	----------------------------

- Lead three one-hour long group tutoring sessions for Differential Equations on course-based study strategies ranging from 5 – 25 students.
- Collaborated with faculty to identify material that students may be having a hard time understanding to develop study strategies for greater student success.
- Created lesson plans for group study sessions before exams to articulate the course material in an efficient manner.

EDUCATION

Mesa, AZ	Arizona State University	Jan 2018 – May 2020
-----------------	---------------------------------	----------------------------

- B.S. in Applied Mathematics, May 2020. GPA: 3.57
- **Relevant Courses:** Linear Algebra (MAT343), Discrete Mathematical Structures (MAT243), Differential Equations (MAT275), Probability (STP421)

TECHNICAL EXPERIENCE

Projects

- **Bug Saves The World:** A platform game built with the HTML5 game framework Phaser. You're a bug character, it's your mission to collect all the secret items and save the world (and yourself) from the bug hunters.
- **Go Fish:** Developed a Go Fish game with C++ for one player to play against the computer. Results for each game are written to an output file for keeping track of match history.
- **Eleventy Photo Gallery:** A starter site for creating a responsive image gallery using the Eleventy static site generator. Images dynamically generated at build time using my resp-img responsive image plugin.
- **Meta Tag Generator:** Developed an Eleventy plugin with Node.js that generates document metadata for the <head> of a webpage containing: Open Graph, Twitter card, generic meta tags and a canonical link.
- **News Application:** Built a news website with React, TypeScript, Node.js and serverless functions. News content fetched from the NY Times Top Stories API.
- **MDN Web Docs:** Contributed to mdn/yari and related repositories on GitHub. Creating new features for the site, triaging issues, fixing existing bugs, and participating in code review.

Languages and Technologies

- C++, Java, HTML, CSS, JavaScript, Node.js, TypeScript, React, Python, SQL, Sass, Cypress, Jest
- Windows, Visual Studio, Unix, Linux, Git, Eclipse