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## EMPLOYMENT

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<b>Software Engineer</b>	<b>TCS</b>	<b>Jan 2021 – Present</b>
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- 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.

<b>Undergrad Research Assistant</b>	<b>Arizona State University</b>	<b>June 2019 – Dec 2019</b>
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- 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.

<b>Supplemental Instr. Leader</b>	<b>Arizona State University</b>	<b>Jan 2019 – Dec 2019</b>
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- 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.

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## EDUCATION

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<b>Mesa, AZ</b>	<b>Arizona State University</b>	<b>Jan 2018 – May 2020</b>
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- B.S. in Applied Mathematics, May 2020. GPA: 3.57
- **Relevant Courses:** Linear Algebra (MAT343), Discrete Mathematical Structures (MAT243), Differential Equations (MAT275), Probability (STP421)

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## TECHNICAL EXPERIENCE

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### 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.
- **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.

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### Languages and Technologies

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