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TANNER DOLBY

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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:** Built a platformer game 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 are dynamically generated at build time using my responsive image plugin.
- **Open Library Client:** Developed a Node.js Open Library client written in TypeScript for interacting with the Open Library APIs.
- **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.
- **MDN Web Docs:** Actively contributed to the open source project mdn/yari and related repositories on GitHub. Fixing existing bugs, creating new features for the site, and participating in code review.

Languages and Technologies

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