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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 such as S3 and Security Hub in order to perform actions available in those services.
- Created documentation outlining the process of developing integrations which provided a go-to 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

- **Open Library Client:** Developed an Open Library client with Node.js and TypeScript to provide a utility for quickly interacting with the Open Library APIs.
- **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.
- **Randoma11y Chrome Extension:** Created an extension that allows users to change the appearance of their current tab in Chrome by toggling a randoma11y theme.
- **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 the project on GitHub over the course of 6-7 months. 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, C#, SQL, MongoDB, Cypress, Jest
- Visual Studio, Git, Eclipse