West Sacramento, CA
https://tannerdolby.com

TANNER DOLBY

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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)

LANGUAGES AND TECHNOLOGIES

- JavaScript, C++, HTML, CSS, Sass, Node.js, TypeScript, React, Python, Java, SQL, 11ty, Jest, Pytest
- Git, Windows, Visual Studio, Eclipse, Unix, Linux
- **Relevant Links:** GitHub, StackOverflow

EMPLOYMENT

Software Engineer **Tata Consultancy Services** **Jan 2021 – Present**

- Develop applications using Python to interface with existing services from AWS, FireEye, Palo Alto Networks, and Facebook OSQuery.
- Built 5 applications end-to-end and worked in 3 other applications.
- Write unit tests with Pytest to ensure integrations with other services function as expected.

Undergrad Research Assistant **Arizona State University** **Jun 2019 – Dec 2019**

- Worked in R and Python to develop statistical models and perform analysis on data provided by the University Provost Office.
- Documented trends in STEM recruitment and retention at ASU by creating a research paper using LaTeX.

S.I. 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.

TECHNICAL EXPERIENCE

- **Open Source - MDN Web Docs:** Actively contributed to MDN Web Docs on GitHub from Oct 2020 – Jan 2021. Completed 31 merged PRs in mdn/yari, and 17 merged PRs in mdn/content. Featured in the contributor spotlight on MDN website.
- **Markdown Parser:** Built a Markdown parser with C++ for converting Markdown files to HTML.
- **Open Library Client:** Developed a Node.js Open Library client written in TypeScript for interacting with the Open Library APIs.
- **Eleventy Photo Gallery:** Created a responsive image gallery site template using the Eleventy static site generator. Images are dynamically generated with Node.js at build time.
- **Meta Tag Generator:** Developed a Eleventy plugin with JavaScript that generates document metadata for the <head> of a webpage containing: Open Graph, Twitter card, generic meta tags and a canonical link.
- **Bug Saves the World:** Developed a single-player platformer game with the HTML5 game framework Phaser. The objective is to collect all the stars on each level without taking damage.