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| 2416 Valley Forge Way  Roseville CA 95661 | **Tanner Dolby** | | | (916) 899-4314  tannercdolby@gmail.com |
| **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** | | | | |
| * **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. * **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 | | | | |