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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 such as S3 and Security Hub in order to perform actions available in those services. * Created documentation that outlined the process of developing integrations which provided a go-to reference for the team. * Developed test cases with Pytest to ensure integrations with AWS services produced the expected behavior.  |  |  |  | | --- | --- | --- | | **Undergrad Research Assistant** | **Arizona State University** | **June 2019 – Dec 2019** |  * Developed statistical models and performed data analysis on STEM retention recruitment and retention data provided from the University Provost Office using Python and R. * Researched and documented trends in recruitment and retention at ASU from available data and 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 2021 – Present** |
| * B.S.E. 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** | | | | |
| * **Responsive Image Plugin:** Created a responsive image Eleventy plugin for dynamically generating responsive image markup using build-time image transformations with Sharp. Built with Node. * **Go Fish:** Developed a Go Fish game in C++ where two players can play against each other or play against the AI. The results for each game are written to the file system for keeping track of match history. * **Randoma11y Chrome Extension:** Created an extension that allows users to change the appearance of a webpage in Chrome by toggling a randoma11y theme with contrast ratio and WCAG AA/AA information. * **Meta Tag Generator:** Developed an Eleventy plugin with Node 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 lambda functions provided by Netlify. News content fetched from the NY Times Top Stories API. * **Personal Website:** Developed my website from the ground up using Eleventy, HTML, CSS/Sass, JavaScript, and Markdown. | | | | |
| * **Languages and Technologies** | | | | |
| * C++, Java, HTML, CSS, Sass, JavaScript, Node, React, Python, SQL * Visual Studio, Git, Eclipse, XCode | | | | |