Tanner Rackow

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EDUCATION

Arizona State University - *Tempe, AZ*   **GPA: 4.16 / 4.00**
Bachelor of Science in Computer Science   **Aug. 2019 – May 2023 (Expected)**

EXPERIENCE

Software Developer Intern - W.L. Gore & Associates   *May 2021 – Present*
- Created two web-based applications to update, maintain, and analyze data for two business divisions
- Performed database and file migrations with Python via API to retire four legacy applications
- Developed automations for Power Platform Administrative duties with Power Automate
- Utilized the Microsoft Power Platform (**Power Apps, Power BI, Power Automate**) and **Python**

PROJECTS

E-Learning Lab - *Team Project* ✎   *Jan. 2021 – Jan. 2022*
- Led the development of an educational website for Bridge2Africa, a non-profit based in South Africa
- Managed a team of four using Agile methodologies in the redesign of an instructional course management system, as well as added discussion boards, quizzes, and ecommerce features
- Leveraged the Django framework to incorporate a discussion board feature into existing course shells, thereby facilitating the interaction of all students, teachers, and administrators
- Built with **Django, Python, JavaScript, HTML,** and **CSS** technologies

Text Me Dogs! - *Personal Project* ✎   *Dec. 2020 – Feb. 2021*
- Devised a Node.js application to deliver daily randomized dog images from Heroku to subscribers' phone numbers stored in the database with the help of Twilio's API
- Sent over 650 multimedia messages in total to users of the Text Me Dogs service
- Applied the MVC software design pattern to simplify refactoring and modularization of code
- Designed with **Node.js, Express.js, MongoDB, HTML, CSS,** and deployed with **Heroku**

Natural Disaster Tracker - *Personal Project* ✎   *Feb. 2021*
- Utilized a NASA API to dynamically gather current world-wide natural disaster data for plotting on a map from Google's Map API
- Visualized hundreds of real-time natural disasters with unique icons and displayed key information about each disaster to users
- Produced with **React.js, JavaScript, HTML, CSS,** and deployed with **Vercel**

EXTRACURRICULAR ACTIVITIES AND ORGANIZATIONS

EPICS (Engineering Projects in Community Service)   **Jan. 2021 – Dec. 2022**
- Guided a team of four software developers and delegated tasks for the development of a revitalized educational web platform dedicated to teaching STEM technologies to communities in South Africa

SoDA (The Software Developers Association)   **Aug. 2020 – Present**
- Strengthened valuable professional soft skills and completed technical workshops to increase proficiency in web development, version control, interviewing techniques, and algorithm design
- Awarded 3rd place for the Freshman/Sophomore category in the 7th Annual SoDA Coding Competition

SKILLS

Programming Languages – Java, JavaScript, HTML, CSS, C, C++
Technologies – Git, React.js, Django, Node.js, MongoDB, PostgreSQL, GraphQL