

Tanner Rackow

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EDUCATION

Arizona State University, Tempe, AZ
Bachelor of Science in Computer Science

GPA: 4.22 / 4.00
Aug. 2019 – May 2023 (Expected)

EXPERIENCE

Applications Developer Intern - W.L. Gore & Associates

May 2021 – Aug. 2021

- Created two web-based interfaces to update, maintain, and analyze data for two business divisions
- Performed database and file migrations with Python and retired two legacy applications as a result
- Utilized the Microsoft Power Platform (**Power Apps**, **Power BI**, **Power Automate**) and **Python**

PROJECTS

E-Learning Lab - Team Project ✂

Jan. 2021 – Present

- Led the development of an educational website for Bridge2Africa, a non-profit based in South Africa
- Managed a team of three members in a complete redesign of an instructional course management system, yielding a 76% reduction in the number of clicks required for the course addition process
- Leveraged the Django framework to incorporate a discussion board feature into existing course shells, thereby facilitating the interaction of all users and administrators
- Built with **Django**, **Python**, **JavaScript**, **Git**, **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
- 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 – Present

- Guided a team of three software developers and delegated tasks for the development of a revitalized course management system and a community discussion board integration for an educational web application

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, TypeScript, Python, HTML, CSS, C++

Technologies – Git, React.js, Django, Node.js, Express.js, MongoDB, PostgreSQL, Heroku, GraphQL

Operating Systems and IDEs – Windows 10, VS Code, Eclipse