

Jordan Wells

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EDUCATION

University of Texas at Austin

Austin, Texas

Bachelor of Science in Computer Science, Certificate in Elements of Computing (GPA: 3.94) Aug. 2019 – May 2023

EXPERIENCE

Institute for Foundations of Machine Learning Research Assistant

June 2020 – Present

University of Texas at Austin

Austin, TX

- Developed pipelines using Python to efficiently process 2M+ protein mutation experimental data points for ML
- Created a method using pandas and thermodynamics to augment the ML dataset and increase size by 60000%
- Utilize high-performance computing centers and Singularity to process data in a multi-threaded manner
- Designed antibody/SARS-CoV-2 interfaces computationally with Rosetta to improve antibody affinity.
- Develop a full-stack web application using React, Next.js, and Docker to analyze protein mutational data on 3D protein structures

Back-end Developer

Aug. 2022 – Present

AUXI Solutions Startup

Austin, TX

- Communicate remotely with an international development team to create an entertainment iOS App
- Design and deploy a scalable mobile app database using Firebase and Google Cloud Functions
- Maintain external tools using Flask and Next.js to expedite data management for non-technical collaborators

Summer Research Intern

May 2021 – Aug. 2021

University of Colorado Boulder

Boulder, CO

- Explored methods to rapidly test 30K+ small molecule drugs for protein binding using Python
- Contributed 20K+ lines of code to the open source tool suite via Git
- Presented research findings to the Rosetta Developers Conference (RosettaCon)
- Collaborated with computational and experimental researchers to add features to benefit their use cases

PROJECTS

Where Should I Eat | *React, Next.js, Yelp API, OpenStreetMap, Docker*

August 2022

- Developed a web application in React to help 100+ of daily users find restaurants based on their cravings
- Utilized the Yelp API to find well-rated restaurants in a user-defined location on an interactive map

Vibosition | *React, Next.js, Spotify API*

June 2022

- Developed a full-stack web application that generates mood playlists for 100+ daily users
- Implemented an OAuth authorization flow for users to log-in with Spotify
- Launched the website on ProductHunt, reaching nearly 100 followers

HueWind | *React, Next.js*

June 2022

- Developed a web application that generates color palettes for Tailwind CSS
- Designed a responsive single-page application with a streamlined user experience
- Wrote about the development experience and takeaways on Medium, reaching 5K+ readers

TECHNICAL SKILLS

Languages: Python, C++, SQL, JavaScript/TypeScript, HTML/CSS, Tailwind CSS, MATLAB

Frameworks: React, Next.js, Flask, Node.js, WordPress, tRPC

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, Singularity

Libraries: pandas, NumPy, Matplotlib, TensorFlow

LEADERSHIP POSITIONS

UT Austin: Texas AICHE (Freshman Rep, Service Chair), Texas OXE (Secretary), UT McKetta Department (TA)