Benjamin Gordon

ben.gordon@utexas.edu | linkedin.com/in/bengordon317 | github.com/bengordon-dev | https://bengordon.dev/
Austin, TX | (704) 402-3999

EDUCATION

The University of Texas at Austin, Austin, TX   Graduation: May 2024
Bachelor of Science, Computer Science; Minor, Business   GPA: 3.90
Relevant Coursework: Concurrency, Operating Systems, Computer Architecture, Data Structures, Machine Learning, Object-Oriented Programming, Ethical Hacking, Quantum Computing

EXPERIENCE

Capital One, Software Engineering Intern   June 2023 - August 2023
Vue.js, JavaScript   Richmond, VA
- Addressed an issue in customer service software affecting over **20,000** customers, working in a pod of 4 interns
- Wrote unit tests for all new code, allowing it to be deployed to production
- Refactored existing code in several places, including an area I found myself

Freetail Hackers, Merge Project Lead (https://gitlab.com/freetail-hackers/Merge)   June 2022 - October 2023
React, CSS, Git, MongoDB, WebSockets, AWS, Node.js, Express.js   Austin, TX
- Developed a web application used by **138** hackathon participants to help them find teammates
- Explored databases, responsive web design, real-time communication, user authentication, and unit testing
- Collaborated professionally with stakeholders and other developers, vastly expanding my knowledge of Git
- Refactored and reshaped a large existing codebase in my own image, adding and deleting thousands of lines of code

OnScreen Solutions, Web Development Contractor   June 2020 - July 2020
React, MySQL   Tampa, FL (remote)
- Created a return on investment calculator for potential clients of the company
- Learned basics of framework-driven frontend development, RESTful APIs, and and HTTP requests

STUDENT ORGANIZATIONS

Texas Convergent, Build Team Lead (Internet of Things), Build Team Member   February 2022 - Present
Arduino, React Native, React, Firebase, C++, Python
- Mentoring tech members to help them make products combining hardware and software
- Worked on two semester-long projects, winning "Best Tech" award twice over 14 other subteams
- Giving technical lectures on CSS, React, and other technologies with exercises and sample repositories of code

PROJECTS

Launder (Texas Convergent) (https://github.com/bengordon-dev/fa22-sustainability-water/)   August 2022 - December 2022
React Native, Flask, SVG
- Developed a mobile app to help people schedule laundry at the most sustainable time based on their availability
- Incorporated real-time data on energy prices and wind/solar production from the Electric Reliability Council of Texas
- Wrote code for custom graphs, a recommendation algorithm, data processing, and persistent app storage

ForeSense (Texas Convergent) (https://github.com/bengordon-dev/sp22-iot-disability)   February 2022 - May 2022
Arduino, React
- Developed smart cane attachment for the blind with ultrasonic distance sensors and haptic feedback in a team of 7
- Added much custom circuitry and code for calibration, significantly improving my problem-solving skills
- Made a web frontend to test our product with graphs plotting sensor readings and motor output

Election analysis (https://github.com/bengordon-dev/elections)   January 2021 - December 2022
bash, JavaScript, Python, React, SVG
- Wrote scripts in multiple languages to parse through historical data and highlight interesting trends
- Visualized findings with treemaps and line graphs on my personal website

TECHNICAL SKILLS

- **Languages/Frameworks:** JavaScript, CSS, HTML, Python, React.js, React Native, C, C++, Rust, bash, Java, Vue.js
- **Technologies:** WebSockets, MongoDB, Arduino, Node.js, Express.js, Flask, SVG