

Benjamin Gordon

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EDUCATION

The University of Texas at Austin, Austin, TX

Graduation: May 2024

Bachelor of Science in Computer Science, GPA: 3.92

Minor: Business

Relevant Coursework: Operating Systems, Object-Oriented Programming, Concurrency (Fall 2023), Data Structures, Computer Architecture, Algorithms and Complexity, Quantum Computing

EXPERIENCE

Capital One, Richmond, VA

June 2023 - August 2023

Technology Internship Program (Software Engineering)

OnScreen Solutions, Tampa, FL (remote)

June 2020 - July 2020

Web Development Contractor

- Created a return on investment calculator for potential clients of the company
- Used **React** to develop the web application, accessing databases with **MySQL**
- Developed understanding of **RESTful APIs** and **HTTP** request methods

PROJECTS

Merge (Freetail Hackers) (<https://gitlab.com/freetail-hackers/Merge>)

July 2022 - August 2023

- Contributed full-stack to a web application that helps hackathon participants find teammates
- Learned about **WebSockets**, **MongoDB**, **CSS** media queries, and several intricacies of **React**
- Reshaped a large existing codebase in my own image, adding and deleting thousands of lines of code

NeonBlader (<https://github.com/DinDin23/RowdyHacks2023>)

March 2023

- Created an online multiplayer racing game in a team of 4 during a 24-hour hackathon
- Wrote **WebSockets** code, connected our project to **Google Cloud**, and helped teammates with **React** and **MongoDB**

Launder (Texas Convergent) (<https://github.com/bengordon-dev/fa22-sustainability-water/>)

August 2022 - December 2022

- Developed a mobile app to help people schedule laundry at the most sustainable time based on their availability
- Incorporated real-time energy price and wind/solar production data from the Electric Reliability Council of Texas
- Wrote a frontend in **React Native** and a backend in **Flask** alongside 4 other tech members

ForeSense (Texas Convergent) (<https://github.com/bengordon-dev/sp22-iot-disability>)

February 2022 - May 2022

- Developed smart cane attachment for the blind with sensors and haptic feedback in a team of 7
- Programmed **ESP32** microcontrollers with the **Arduino IDE**, built circuits, and wrote testing software in **React**

Election analysis (<https://github.com/bengordon-dev/elections>)

January 2021 - Present

- Parsing through historical data to highlight important trends, using command-line tools such as **sed** and **awk**
- Visualizing data with treemaps and line graphs using **bash**, **Python**, and **React**

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, C, Java, HTML/CSS, C++, bash
- **Frameworks/Technologies:** React/React Native, MongoDB, WebSockets/Socket.io, Flask, Arduino

STUDENT ORGANIZATIONS

Texas Convergent - *Build Team Tech Lead* (current), *Build Team Member* (former)

February 2022 - Present

- Teaching and mentoring tech members on three Internet of Things subteams to help them make their products
- Worked on two semester-long projects in the IoT and Sustainability teams
- Won "Best Tech" award over 14 other subteams at Spring and Fall 2022 Demo Days

Freetail Hackers - *Tech Team Member*

June 2022 - Present

- Volunteered as an organizer for HackTX 2022 and Hack the Future
- Collaborating professionally on tech projects using **GitLab** branches, issues, merge requests, and pipelines