Benjamin Gordon

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EDUCATION

The University of Texas at Austin, Austin, TX   Expected Graduation: May 2025
Bachelor of Science in Computer Science, GPA: 4.0
Relevant Coursework: Computer Architecture (Spring '22), Quantum Computing I (Sp '22), Data Structures, Discrete Math, Matrices/Matrix Calculations (Sp '22)

EXPERIENCE

OnScreen Solutions, Tampa, FL (online)   June 2020 – July 2020
Web Development Contractor
- Created a return on investment calculator for potential clients of the company
- Learned the **React JavaScript** library for web app development, and how to access databases with **MySQL**
- Developed understanding of **RESTful APIs** and **HTTP** request methods

PROJECTS

Volunity (https://github.com/bengordon-dev/volunity-archive)   January 2021 - December 2021
- Created a mobile/web app with 2 friends to connect volunteers to nonprofits
- Gained valuable experience developing with **React Native** and **Firebase**

Election analysis   January 2021-present
- Learned **sed**, **awk**, and other command-line tools to parse through historical data
- Made treemaps and line graphs from parsed data using **Python** and **React**

Consilia (https://github.com/consilia-proj/consilia-mobile-app)   October 2021
- Used recently acquired skills to lead the frontend development of my **HackTX** team's project
- Created **React Native** code and successfully called an API written by my teammates

Elementary cellular automata   Spring 2021
- Immersed myself into bitwise operations to better understand Wolfram codes
- Drove LED strips with an **Arduino** to visualize simple chaotic systems

Discord Bot   August 2020
- Created an asynchronous **Python** script to improve online Quiz Bowl practices

TECHNICAL SKILLS

- Proficient in React/React Native, Java, Python, HTML/CSS/JavaScript, UNIX command line
- Experienced with C, Arduino IDE; Exposed to Firebase

STUDENT ORGANIZATIONS

Texas Convergent, Austin, TX   February 2022 - present
IoT Build Team Member (Tech)
- Programmed **ESP32** microcontrollers, built circuits, and wrote testing software for my team's project
- Combined years of programming experience in different areas to create a working product

Texas Product Engineering Organization, Austin, TX   August 2021 - December 2021
- Attended Engineering lectures twice a week to learn about full-stack development
- Applied new knowledge to major projects in my life

Quiz Bowl Club, NCSSM, Durham, NC   August 2019 – June 2021
Captain, Player
- Drove the club forward with leadership and technical skills through the uncertainty of the COVID-19 pandemic
- Ran practices twice a week, hosted 2 online tournaments, and sent teams to dozens of online events