Ansh Morajé

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EDUCATION

The University of Texas at Austin   B.S. in Computer Science   Overall GPA: 3.93   May 2025
    Minor: Business   Dell Scholar

Relevant Coursework: Data Structures, Operating Systems, Computer Systems and Architecture, Software Engineering, Programming for Correctness and Performance, Multivariable Calculus, Discrete Mathematics, Matrices

SKILLS

Programming Languages/Technologies: **Java, Python, C, C++, Kotlin, Excel, Node JS, MongoDB, HTML, SQL, Javascript, CSS**
Certifications: **Bloomberg Market Concepts**
Work Eligibility: **Eligible to work in the U.S. with no restrictions**

EXPERIENCE

Roblox - *Incoming Software Engineering Intern;* San Mateo, CA   May 2023 - August 2023

Zebra Technologies - *Software Engineer;* Holtsville, NY   May 2022 - Present
- Transitioning the frontend of 2 Android applications from XML to Jetpack Compose in order to optimize the codebase
- Programmed an Android application using Kotlin to provide internal users with more accurate battery tracking data
- Refined the flagship app to reduce necessary keystrokes by 50% to increase efficiency for clients such as Whole Foods
- Restructured 25 implemented features to be configurable, so individual clients can choose to enable/disable features

The University of Texas at Austin - *Academic Mentor;* Austin, TX   March 2022 - Present
- Lead weekly seminars to guide first year CS students through classes, recruiting, and professional development
- Aid students in understanding various Computer Science topics including Data Structures and Discrete Mathematics

Self Employed - *Private Computer Science / Math Tutor;* New York, NY   January 2021 - Present
- Design lesson plans for students to teach them the fundamentals of programming in Python, Java, and Javascript
- Teach students college level mathematical concepts such as multivariable calculus and linear algebra
- Mentored students on several personal projects including web applications and game development projects

Capital One - *Software Engineering Summit Intern;* Mclean, VA   April 2022 - May 2022
- Development sessions on Swift, Full Stack Web Applications, React JS, Arduino, Git, SQL, and Snapchat Lens Studio
- Created a web application that teaches financial literacy to teens, enabling them to budget, spend, and invest properly

Varyn Inc. - *Game Development Intern;* San Francisco, CA   August 2020 - July 2021
- Implemented over 50 unit tests for developed games using the Jest framework that was created by Meta (Facebook)
- Developed multiple games alongside the engineering team and graphic design team and published them on schedule
- Focused on the physics and user controls of the game in addition to collision detection using the Tween JS Library

PROJECTS

Pintos Operating System - *C (Programming language)*
- Implemented priority scheduling and used semaphores for sleeping threads to avoid busy waiting increasing efficiency
- Built an algorithm to avoid priority inversion by using nested priority donation, further optimizing the OS scheduler

DuckDuckCode - *Node JS, MongoDB, EJS, Bcrypt, Passport.js*
- Launched a coding education website that provides students with simple Python/Java exercises for practice
- Allowed teachers to create their own exercises and quizzes for students to tailor content to their curriculum

BCA GPA 4.0 - *HTML, CSS, Javascript*
- Scraped data of the PowerSchool webpage using Javascript to calculate and display a viewable GPA for students
- Allowed students to input hypothetical grades in order for them to see how it would affect their current GPA
- Published the project as a Chrome extension to the Chrome Web Store, and it was used by close to 100 students

LEADERSHIP EXPERIENCE

Alpha Kappa Psi (Professional Business Fraternity) - *Vice President of Technology;* Austin, TX   2022 - Present
- Managed a Discord server to ensure prompt communications between executives and members of the business frat
- Organized development sessions to help members with CS classes, and better prepare them for technical interviews

Green Bronx Machine - *Junior Board of Directors;* New York, NY   2013 - Present
- Trained volunteers at a Food For Others Garden in the Bronx where harvests were donated to homeless shelters
- Reorganized volunteer activities alongside founder Stephen Ritz in order to maximize volunteers' productivity