Fardin Iqbal

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EDUCATION

Stony Brook University —Stony Brook, NY   Aug. 2022 - May 2025
Current GPA: 3.13/4.0 — Dean's List   *B.S. Computer Science*

COURSEWORK

Relevant Courses: Data Structures (Java), Foundations of Computer Science(Python) Programming
Abstractions (Ocaml & Java), Systems Fundamentals (Linux, git, assembly, C), Probability & Statistics (R)
Certifications: AWS Cloud Technical Essentials - completed over 30 lectures over a span of 4 weeks.

SKILLS

Languages: Python, Django, Ruby, Ruby on Rails, C/C#, HTML/CSS, JavaScript, Vue.js, SQL, R, LaTeX
Tools: AWS, Terraform, Git/GitHub/Gitlabs, Linux, Unix Shell, Android Studio, VS Code, JetBrains, Unity

EXPERIENCE

The Hardy Group | *Marketing Intern*   October 2023 – December 2023
- Migrated sets of customer data to Airtable, boosting system customization for improved data management.
- Utilized Microsoft Excel for data management and analysis to generate actionable business recommendations.
- Implemented data entry protocols to remove duplicates from a database of 13,000-clients, enhancing accuracy

International Socioeconomic Laboratory (ISL) | *Web Developer*   May 2022 – August 2022
- Contributed to a Harvard-led research project, working with students and scholars to address socioeconomic issues through data-driven analysis and collaborative problem-solving, aiming to inform policy changes
- Led a team in transitioning our website from SquareSpace to a self-hosted domain, utilizing HTML, CSS, and JavaScript to significantly reduce costs and dramatically enhance and customize functionality and user experience

Finxerunt | *Web Developer*   September 2021 – April 2022
- Led a non-profit organization dedicated to civic activism and social justice research, running campaigns, leading volunteers, and working with journalists to educate and mobilize the community on equity and rights.
- Mentored a group of 10 students and guided them in designing and developing the company website. Employed HTML, CSS, and Vue.js to reduce lines of code by 80%, to create a dynamic and user-friendly design.

PROJECTS

Android App (Cold Caller) | *Android Studio, Java* | https://github.com/FardinIqbal/Cold-Caller/tree/main
- Boosts class participation by randomly selecting students; each is called at most twice before resetting the queue.
- Designed UI for navigation, tracking participation, maintaining session logs, and enabling one-click selection.
- Adhered to UI/UX principles to create an intuitive app , improving interactions and engagement.

Multiplayer Projectile Shooter Game (Snowball Fight) | *Unity, C#* | iqbalf1.itch.io/snowball-fight
- Enabled players to create and join rooms across devices through a user-friendly start menu improving accessibility.
- Created detailed maps, character models, an advanced collision detection, and immersive audio effects and music.
- Utilized a physics engine to achieve realistic character movements and projectile dynamics enhancing realism.

S3 Bucket Website | *AWS, Terraform, HCL* | https://github.com/FardinIqbal/Portfolio
- Developed a static website to learn AWS and Terraform with HCL, showing practical application of the cloud.
- Leveraged AWS S3 for efficient hosting of static HTML, CSS, and image files ensuring optimized content delivery.
- Utilized Terraform allowing for automated and reproducible deployments across development environments.

HOBBIES/INTERESTS

- Brazilian Jiu-Jitsu (BJJ) - Have been training 1.5 hours, 4 times a week, for 2 years. I coach at my university club.
- YouTube- Film, edit, and upload YouTube videos documenting training and reviews of books and movies.
- Classical Guitar/Singing - Started self-learning guitar during quarantine and I play when stressed or overthinking.
- Reading - Classical literature, poetry and philosophy. My favorites are Don Quixote, Robert Frost, and Plato.