

# Simaak Siddiqi

210-846-2032 | [simaaksidd1@gmail.com](mailto:simaaksidd1@gmail.com) | Austin, TX | [linkedin.com/in/simaak-siddiqi](https://www.linkedin.com/in/simaak-siddiqi) | [simaaksiddiqi.site](https://simaaksiddiqi.site)

## EDUCATION

---

### The University of Texas at Austin

August 2021 - May 2025

*Bachelor of Science in Applied Mathematics, Minor in Computer Science, Minor in Data Science*

*Austin, TX*

- Relevant Coursework: Data Structures, Algorithms, Computer Networks, Computer Databases, Object Oriented Programming, Machine Learning Models, Computer Operating Systems

## WORK EXPERIENCE

---

### Software Engineer Intern

September 2023 - January 2024

*Trax Contents*

*San Antonio, TX*

- Developed a full-stack app using React, Flask, and Selenium to process product data from 10,000+ listings.
- Designed a serverless NoSQL schema using AWS Lambda within DynamoDB, reducing data access time by 50%.
- Interfaced with public/private RESTful APIs to gather product data, improving retrieval by 20%.
- Implemented unit testing via Playwright, which identified and resolved critical bugs, reducing error rates by 15%.
- Managed version control with Git, optimizing workflow efficiency and reducing project delivery time.
- Attended Agile stand-ups in a cross-functional environment improving team collaboration and efficiency.

### AI Computer Science Analyst

March 2025 - June 2025

*Mercor*

*Austin, TX*

- Proofed AI-generated object oriented Java and Python code and validated mathematical reasoning, boosting model accuracy by 30%.
- Improved Meta's AI tutor reliability by identifying, categorizing, and resolving model output errors.
- Partnered with cross-functional teams to analyze behavior and refine technical requirements for AI fine-tuning.
- Researched emerging AI standards, ethics, and safety benchmarks to guide responsible product development.

### Reaserch Assistant - Database Administrator

September 2022 - January 2023

*McCombs School of Business*

*Austin, TX*

- Assisted a team of senior researchers in data entry, cleaning, and design of PostgreSQL relational databases.
- Designed complex SQL queries for data transformation and reporting in the field of white collar prosecution.
- Implemented database optimization strategies and improving ETL workflows, resulting in increased data accuracy.

## PERSONAL PROJECTS & COMMUNITY INVOLEMENT

---

### Full-stack Software Engineer

June 2025 - Present

*Crown Chess*

- Developed a responsive chess UI using React.js, TypeScript, and HTML/CSS supporting 100+ users worldwide.
- Implemented a RESTful API using Node.js and Express.js to handle game, ranking, and player updates.
- Designed efficient MongoDB schemas using Mongoose, optimizing data integrity across the entire application.
- Configured a CI/CD pipeline with Github Actions to deploy on AWS EC2, fully automating deployment and ensuring 99.9% uptime.
- Containerized the full application with Docker to enable faster scaling and lower resource consumption.

### Software Engineer Trainee

August 2021 - May 2022

*Longhorn Gaming*

- Developed a Discord bot using JavaScript/TypeScript and Discord.js, enhancing user engagement with LG.
- Built an electron application using Next.js and Tailwind CSS leading to increased membership turnout and interaction.
- Implemented CI/CD pipelines using GitHub Actions improving development efficiency.
- Utilized Git and GitHub for version control to maintain code integrity across the development team.