Isaac Chacko

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EDUCATION

Texas A&M University — College Station, TX
Engineering Honors, B.S. Computer Science, Applied Mathematics. — *Aug. 2024 – May 2028*
- Relevant Coursework: Data Structures and Algorithms, Discrete Math, Linear Algebra, Differential Equations

PROJECTS

Eulerelo | *Next.JS, Tailwind CSS, Prisma, PostgreSQL, Vercel* — March 2025
- Currently developing a full-stack web app where users can compete in math duels testing Calculus, Differential Equations, and more.
- Utilized Primsa ORM and PostgreSQL to deploy a live database for user authorization/sign-in.

Dreamweavers | *Godot, OpenGL* — January 2025
- Designed, programmed, tested, and published in Godot shader-based graphics in 48 hours.
- Open-sourced game development testing to develop community feedback.

Resumate | *Next.JS, Pinata, Git* — December 2024
- Developed a full-stack application to aid future internship hunters by matching them to their internship.
- Recursively scrapes LinkedIn for future internship openings
- Uses Pinata API for backend server-side storage

Presentation Coach | *Python, React, Next.JS* — September 2024
- Received one of only two honorable mentions out of 160+ hackers.
- Developed a tool to calculate real-time audience retention analytics.
- Implemented machine vision and speech vectorization for slide deck analysis.

EXPERIENCE

SISO Engineering — May 2025 – Present
Software Engineering Intern — *Houston, TX*
- Designed KQL queries and parametrized ADX functions to streamline real time aeroderivative turbine readings from remote edge devices.
- Ported analytic reports from PowerBI to Grafana to drop customer load times for 50+ turbines internationally.

AggieSEEK — September 2024 – December 2024
Backend Software Developer — *College Station, TX*
- Utilized Google OAuth, AWS Lambda, React, and MongoDB to build scalable backend server infrastructure.
- Developed a platform designed to streamline course selection for Texas A&M University Aggies.
- Collaborated with a team of 50+ members in the development of a real-time web application.

Code Ninjas — July 2021 – June 2024
Programming Instructor — *Richmond, TX*
- Held weekly STEM camps covering diverse topics such as 3D printing, 3D game development, robotics, and microcontrollers.
- Developed and implemented a new curriculum module focused on introductory Python programming, resulting in a 15% increase in student enrollment in advanced courses.

LUMINARE — July 2023 – August 2023
Software Development Intern — *Houston, TX*
- Developed a full stack application with Lisp-like architecture via Clojure and ClojureScript, utilizing PostgreSQL for our database.
- Helped design hospital HMIs to expedite Sepsis diagnosis and treatment

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, KQL, SQL, Java, HTML, CSS, Clojure, ClojureScript, Lua
Technologies: Linux, Git, NextJS, Tailwind, Prisma, Redis, Grafana, PowerBI, Vercel, Django, Flask, Godot, OpenCV
Emphasis: Backend Web Development, Databases, Game Design/Development, Data Analysis, Web Scraping