

Isaac Chacko

isaacchacko.co | isaac.chacko05@gmail.com | linkedin.com/in/isaacchacko | github.com/isaaccchacko

EDUCATION

Texas A&M University

Engineering Honors, B.S. Computer Science, Applied Mathematics.

College Station, TX

Aug. 2024 – May 2028

- Relevant Coursework: Data Structures and Algorithms, Discrete Math, Linear Algebra, Differential Equations

PROJECTS

Eulerele | *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 Prisma 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

TAMU TACO Group

October 2024 – December 2024

Machine Learning Developer

College Station, TX

- Developed PyTorch feed-forward models for video frame interpolation.
- Analyzed, tested and implemented super-resolution techniques to enhance video quality

AggieSEEK

September 2024 – December 2024

Backend Software Developer

College Station, TX

- Utilized Google OAuth, AWS Lambda, React, Node.js, and MongoDB to build a scalable and interactive web application.
- Developed a platform designed to streamline course selection for Texas A&M University students (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

- Interned with LUMINARE, a rising medical tech startup in the Texas Medical Center focused on improving rapid Sepsis detection and response procedures.
- Developed a full stack website with responsive frontend web pages with Lisp language architecture via Clojure and a complete database backend using PostgreSQL and ClojureScript.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, C, Java, HTML, CSS, Clojure, ClojureScript, Lua, SQL

Technologies: Linux, Git, NextJS, Tailwind, Prisma, Redis, Vercel, Django, Flask, Selenium, Godot, OpenCV

Emphasis: Full Stack Web Development, Databases, Game Design/Development, Web Scraping, Data Analysis