Nathan Liow

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EDUCATION

The University of Texas at Austin, Austin, TX   May 2027
Bachelor of Science, Computer Science
- GPA 4.00
- Relevant Coursework: Data Structures, Discrete Math, Multivariable Calculus, FRI: Geometry of Space, Computer Organization and Architecture, Intro to Probability and Statistics

SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, C, Astro, Solidity
Tools: Git, GitBook, Netlify, React, Screen Studio, VSCode

PROJECTS

- **Portfolio Website** – Created a portfolio website showcasing all my technical and non-technical projects and blogs discussing various topics. Made using Astro, HTML, JavaScript, and CSS.
- **Carpooling Web App** – Helped create an app that allows organizations to organize events and ridesheets for each event to facilitate carpooling for both organizers and participants. Uses JavaScript and Tailwind CSS for front-end, Python for back-end sorting, and Firebase for database hosting.
- **Physics Website** – Created a website where students could provide inputs and view results of certain physics concepts and equations. Uses HTML and JavaScript for the website and Python for the back-end computation.
- **Physics Animation** – Used Manim, a Python library, to animate and teach complex physics concepts that were later used for future classes as educational content. The video was edited to include scripts and voiceovers made to explain the concepts.

EXPERIENCE

Freshman Research Initiative, Austin, TX   January 2024 - December 2024
Researcher
- Used computation geometry, algorithms, and data analytics to study the distribution of galaxies and galaxy clusters
- Aim to research, plan, and write a professional collaborative research paper for publication on credible platforms

Community Tutelage Hubs LLC, McKinney, TX   September 2022 - June 2023
Math Tutor
- Strengthened arithmetic, algebra, geometry, and calculus skills in high schoolers to facilitate academic success
- Tutored 5 students, assigned homework, and met with parents to discuss our meetings on a weekly basis

Freelance, McKinney, TX   May 2022 - August 2022
Math and Physics Tutor
- Taught math and algebra-based physics one-on-one to 3 underclassmen on a weekly basis
- Created an independent curriculum and original homework assignments that catered to students

CAMPUS INVOLVEMENT

Texas Blockchain, Austin, TX   September 2023 - Present
Blockchain Labs Developer
- Learn to build smart contracts using Solidity and the fundamentals of the Web3 space
- Attend hackathons and competitions to win prize money and bounties

Association for Computing Machinery, Austin, TX   August 2023 - Present
Member
- Network with peers in Computer Science and attend workshops that teach new skills like ReactJS