Nathan Liow

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EDUCATION

The University of Texas at Austin, Austin, TX   May 2027
Bachelor of Science, Computer Science
- GPA 3.9
- Relevant Coursework: Data Structures, Discrete Math, Multivariable Calculus, Computer Organization and Architecture, Intro to Probability and Statistics, Freshman Research Initiative: Geometry of Space, Principles of Computer Systems, Matrices and Matrix Calculations, AI Literacy: Essentials of AI

SKILLS

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

PROJECTS

- **arena.fun** – A platform officiating on-chain trading competitions on Solana. Backend built with Raydium and Helius SDK, Firebase, and Typescript to calculate accurate profit and loss and store user data for ranking. Frontend built with NextJS.
- **Swoosh** – A decentralized payment and bill-splitting app built on Ethereum. Backend built with Solidity; frontend built with Typescript, JavaScript, HTML, and CSS. Won $2k bounty for *Best Solana Defi/Payments Integration* and *Most Creative BUIDL using XDC Network* at ETHDenver, an international crypto and web3 conference.
- **youmecar** – Created a carpooling web app that allows organizations to organize events and ridesheets for each event to facilitate carpooling for both organizers and participants. Uses JavaScript, React, and ChakraUI for front-end, Python for back-end sorting, and Firebase for database hosting.

EXPERIENCE

Freshman Research Initiative: Geometry of Space, 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 Division Co-Lead and Developer
- Built projects and smart contracts using Solidity and the fundamentals of the Web3 space
- Attended hackathons and competitions and won thousands in prize money and bounties
- Made hackathon schedules and educational content to onboard new members into the Labs Division

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