# Nathan Liow

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## EDUCATION

**The University of Texas at Austin**, Austin, TX                                                          May 2027
*Bachelor of Science, Computer Science*
- Relevant Coursework: Data Structures, Discrete Math, Multivariable Calculus

**McKinney North High School**, McKinney, TX                                                          May 2023
- GPA 5.09
- Relevant Coursework: AP Computer Science A, AP Computer Science Principles, AP Calculus BC, Digital Electronics, AP Physics C: E&M, Engineering Science

## SKILLS

**Computer Skills:** Proficient in Python and Java; Familiar with JavaScript, HTML, CSS, and Solidty; Intermediate Computer Building

## PROJECTS

- **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.
- **Terminal RPG** – Used Python knowledge to create a terminal game involving a multi-class structure, role-playing aspects, interaction between classes, and different types of characters with unique properties.

## EXPERIENCE

**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

**Zdron LLC,** McKinney, TX                                                                    June 2019 - December 2019
*Salesperson*
- Listed and transported refurbished computer parts on Craigslist, eBay, Offerup, and Facebook Marketplace
- Brought in over $5,000 in revenue and learned about the components/processes of building a computer

## 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