Chris N. Li

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Education

Georgia Institute of Technology – College of Computing **Dec 2026**

B.S in Computer Science and Mathematics GPA: **4.0**

Technical Skills

Relevant Classes: Data structures and Algorithms, Object Oriented Design, Intro to AI and ML, Statistics and Applications, Calculus 3, Number Theory, Differential Equations, Linear Algebra
Programming Languages: Java, Python, C++, HTML/CSS, JavaScript
Frameworks/Technologies: React Native, Django, Node.js, AWS, JUnit,
Tools: Git, Jupyter Notebook, SQLite, MATLAB, Figma, VS Code, PyCharm, Eclipse, Excel, AutoCAD, SolidWorks

Experience

Automated Algorithm Design | VIP Project at Georgia Tech **Dec 2024 - Present**

Research Student *Atlanta, GA*

- Developing an automated framework using multi-objective genetic programming (MOGP) to evolve hybrid algorithms from high-level data inputs like vectors, matrices, and images.
- Generating Pareto-optimal algorithms balancing multiple objectives, enabling researcher-driven selection and analysis.
- Technologies include Python, C++, machine learning, cloud computing, and GPI/CUDA programming.

Investment Committee Club Quant Mentorship **Aug 2024 - Dec 2024**

Mentorship Student *Atlanta, GA*

- Developed an investment thesis and presented an investment pitch on Boeing, analyzing its financial performance, industry position, and growth potential to recommend portfolio inclusion.
- Engaged in in-depth learning and discussions to build a strong understanding of financial markets and investment strategies focusing on investment topics such as macroeconomics, business analysis, and portfolio theory.

Regeneron Pharmaceuticals Internship **Summers 2022, 2023**

Data Science and Research Intern *Tarrytown, NY*

- Conducted analysis of retinal thickness changes in over 200 mice examining five distinct regions of both eyes across experimental and control groups using OCT imaging, automating data processing and visualization with Python libraries like NumPy, pandas, and Matplotlib, cutting analysis time by 50%.
- Generated actionable insights by identifying statistically significant changes in retinal thickness across groups, enabling precise evaluation of experimental outcomes and presented detailed reports to support research on drug delivery mechanisms.

Projects

PayBack Startup | *Co-Founder*

- Presented PayBack, our fintech startup focused on streamlining consumer debt repayment, at Finnovate at Northeastern University, securing 3rd place and a $2.5k prize through a comprehensive pitch showcasing its innovation and impact.
- Led market research and competitor analysis to validate the business model, identify target demographics, and refine key features of the platform. Designed and prototyped the platform interface using Figma and HTML, ensuring a user-friendly experience tailored to the needs of debtors and financial institutions.

SafeHaven | *Team Leader* | GT Hackathon 11

- Led a team of four and created SafeHaven, a mobile platform for efficient disaster relief and resource management, connecting individuals to nearby shelters and resources during natural disasters.
- Built with React Native for the front-end, Django for the backend, with SQLite for database management.
- Integrated the Google API for accurate location data, WeatherAPI for real-time updates, and REST APIs for seamless data exchange.

Atlanta Food Finder | *Scrum Master*

- Developed Atlanta Food Finder, a web platform to help users locate top-rated restaurants in Atlanta based on their preferences.
- Used HTML/JS, with Tailwind CSS for design, Django for the backend, and integrated the Google Maps API for location services.
- Reduced development time by 20% through effective leadership of a team of 4 as Scrum Master by facilitating effective communication and allowing for constructive feedback within the team.

Pokémon Exhibit | *Team Leader*

- Developed an exhibit for Beachmont Elementary School, rated 4.8/5 stars by 100+ students, encompassing coding, construction, and electrical wiring to create an interactive and educational display.
- Led a team of four in a 4-month project, authored a 170-page technical report, designed 3D models in SolidWorks, and used C++ and MATLAB to build a user interface and control mechanisms utilizing RFID tags, resulting in a 30% average time increase in student engagement.

Contact Form | *Developer*

- Developed a Contact Form for a local business using Amazon Web Services (AWS) that allows users to submit their personal information with a message, streamlining communication and reducing response time by 40%.
- Implemented the form backend with AWS API Gateway to securely expose the form submission endpoint, used reliable email delivery through AWS SES enabling 60,000+ submissions per month and streamlined backend processing with AWS Lambda.
- Utilized AWS S3 Bucket for storing and managing any submitted data files