Lily Chisholm

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY — Atlanta, GA
Bachelor of Science in Computer Science | Threads in Media and Systems Architecture — **Expected Graduation**: December 2026
Cumulative GPA: 3.7/4.0
Relevant Coursework: SQL, Program Design and Development, Object Oriented Design and Programming, Data Structures and Algorithms, Computer Organization and Programming, Objects and Design, Multivariable Calculus
Organizations: Rewriting the Code (Member), Delta Phi Lambda Sorority, (Fundraising Chair), Japanese Student Association (Finance Officer & Media Officer)
Awards: Dean's List (2022–Present), Millennium Fellowship Emerging Technologist 2023, Stack Squares Round 16 Muralist (2025)

WORK EXPERIENCE

GODADDY — Remote
Software Development Engineer Intern — May 2024–August 2024, May 2025–Present
- Programmed and launched the "Internal Notes" tool utilized by **400,000+** users to annotate conversations within the messaging platform using **React.js.**
- Engineered a product to convert handwritten transactions from photos into paylinks with **97%** efficiency using **GoDaddy Airo AI API.**
- Collaborated across frontend/backend teams to improve UI/UX, addressed bugs, and shipped production-grade features, resolving **50+ Jira tickets**.
- Developed automated widget and integration tests, increasing test coverage by **30%** and cutting regressions via **Cypress and Jenkins**.

CHICK-FIL-A — Atlanta, GA
Digital Transformation and Technology Co-op — August 2024–December 2024
- Automated classification of restaurant billing emails, optimizing manual processing by **90%** with **AWS Textract, Lambda, SES, EC2, + DynamoDB**.
- Shipped **25+ full-stack features** and enhancements for an internal employee database tool with **React.js + AWS**, impacting **3,000+** employees.
- Deployed a company-wide trivia game played by **200+** employees during hackathon using **AWS Lambda, S3, EC2, RDS + React.js.**

MANHATTAN ASSOCIATES — Atlanta, GA
Research and Development Intern — January 2024–May 2024
- Created a second-view microservice update dashboard with time series visualizations on the Nexus platform using **Chart.js** and **Angular.js**.
- Built a Grafana plugin, **React.js + TypeScript**, to render flame graph visualizations, enhancing system performance debugging.
- Streamlined backend job workflows + integrated new analytics endpoints with **Golang**, decreasing processing by **20%** on Arecibo observability platform.

BOSMOS LLC — Atlanta, GA
Chief Technology Officer, Co-founder — May 2023–December 2023
- Spearheaded all technical strategy for a startup with **$10,000** in investor funding, including UI/UX, AI/ML strategy, and infrastructure development.
- Led a team of **15** developers, engineers, and designers to innovate product MVP.

UNIVERSITY PROJECTS

MATAREAL — January 2025–Present
- Designed, pitched, and presented an application for muralists to use to accurately calculate paint needs by uploading a drawn mockup and project dimensions through Georgia Tech's **CREATE-X** program and Startup Lab team-based class.
- Conducted **100+** customer research interviews of artists in Atlanta to gain insights, data, and analysis on market need, required features, and product feasibility.
- Accepted into **Idea-to-Prototype (I2P)** course for Fall 2025 for funding and further development alongside three other team members.

MONEYPARSE — May 2025
- Programmed a secure **Django** web app in a team of four for an Objects and Design class group project to track budgets, income, and expenses, enabling users to generate spending report data visualizations with **Chart.js** and **NumPy**.
- Implemented user authentication, session management, and downloadable reports, improving financial transparency for **100% of users.**

SCAM BUSTER — June 2023
- Assembled an intelligent scam SMS detector achieving **92% precision** in flagging fraudulent messages using a fine-tuned **BERT-mini AI model** on a custom dataset for the Databricks "So you think you can hack?" hackathon.
- Deployed classifier logic using **HuggingFace, Python, and Java**; integrated output into an **Android** mobile app with real-time risk scoring.

SOUTHERN CONTRACEPTIVE ACCESS INITIATIVE — April 2023
- Produced an app to help users locate nearby family planning clinics based on personalized contraceptive needs with **React.js, SQL, Google Maps API**.
- Won **"Ringleader's Apprentice" award** in a team of four out of **14** teams at "TechTogether" MLH hackathon.

ACTIVITIES

ART INSTAGRAM — Atlanta, GA
Art Influencer @LAVINDEX
- Creator of original art on Instagram, with **21.8k + followers** and **2.4M + video views;** selected for Round 16 Stack Squares Muralist Program.

ADDITIONAL

Languages: Python, Java, JavaScript, TypeScript, C, C++, Golang, SQL, Bash, Assembly, HTML/CSS, MATLAB, Kotlin
Frameworks & Libraries: Django, React.js, Node.js, Angular, Streamlit, NumPy, Pandas, Beautiful Soup, Chart.js, Android, Matplotlib, Linux
Tools & Platforms: AWS (Textract, Lambda, EC2, S3, SES), Docker, Git, GitHub Actions, Jenkins, Cypress, Postman, Figma, Tailwind, Cursor, VSCode, JetBrains
Databases: MySQL, NoSQL, SQLite, DynamoDB, Relational Database Service
Practices: Agile Methodologies/Scrum, CI/CD, Test Automation, Prompt Engineering, Full-Stack Web Development, Distributed Systems