

Lexie Chen

315-572-9094 | dkt4kr@virginia.edu | [linkedin.com](https://www.linkedin.com/in/lexiechen) | [github](https://github.com/lexiechen) | Green Card Holder | [Website](#)

EDUCATION

University of Virginia

Bachelor of Arts in Computer Science; Minor in Data Science 3.75/4.0

Charlottesville, VA

Aug. 2023 – May 2027

EXPERIENCE

Software Testing Engineer Intern

June 2025 – Present

Snapbit LLC

Remote

- Designed and executed detailed test cases to validate product functionality, detect bugs, and ensure performance across multiple features
- Collaborated with developers to troubleshoot issues and perform regression testing ahead of product releases
- Provided actionable usability feedback, improving product quality and contributing to a smoother user experience

Technology Support Intern

Sept. 2024 – Present

UVA Center for Transportation Studies

Charlottesville, VA

- Maintained UVA Center for Transportation Studies's **WordPress** website, implementing custom configurations using **Java** and **HTML** to support online training programs for non-college transportation professionals
- Led digital marketing efforts by designing flyers and promoting programs through LinkedIn, increasing training program visibility and expanding outreach to regional transportation agencies

PROJECTS

WeCheck | *Roommate Chores & Bills Manager*

- Engineered a full-stack web application that helps users seamlessly split bills and manage shared chores with roommates
- Built a responsive user interface using React, with dynamic dashboards for tasks, expenses, and payment history tailored to individual and group views
- Developed secure and scalable RESTful APIs using Node.js and Express, and used PostgreSQL to structure relational data models for users, groups, expenses, and chore assignments
- Integrated Firebase Authentication for user login and role-based access, and implemented automated email reminders and summaries to improve task compliance and reduce missed payments by 60%
- Deployed with Docker on AWS EC2 for high availability and used Amazon S3 to store receipts and user-uploaded images, achieving 99.9% uptime and fast content delivery

Medication Reminder SMS System | *AWS Lambda, SNS, DynamoDB, EventBridge, IAM*

- Developed a serverless application that sends scheduled SMS reminders to users for taking medications, using AWS SNS and Lambda
- Engineered a serverless notification system to deliver time-based SMS medication reminders via AWS SNS
- Implemented dynamic scheduling with EventBridge and query-based filtering in DynamoDB to send personalized alerts at user-defined times
- Enabled real-world testing with production SNS access and built for scalability, supporting expansion to regional or doctor-assisted monitoring

Still Web App | *AI-Powered Emotional Reflection Web App*

- Developed a full-stack mental wellness platform that helps users identify, express, and heal from emotional states through AI-powered reflections
- Integrated OpenAI's GPT-3.5 API to generate compassionate, psychology-informed responses based on user-submitted mood descriptions
- Built scalable RESTful APIs with Spring Boot to process mood data, manage journaling input, and support future integration of behavioral insights and tracking
- Structured PostgreSQL schemas to persist mood entries, and containerized the backend using Docker and deployed to AWS EC2, ensuring secure, scalable access and cloud-native service availability