

James Li

linkedin.com/in/jamesli784/ | 929-257-5021 | jamesli784@gmail.com | github.com/skxvtchy | <https://jamesli.dev/>

Education

Bachelor of Science in Computer Science

University at Buffalo, The State University of New York

July 2024

Skills

- **Languages:** Python | TypeScript | JavaScript | Scala | Java | C | C++ | MIPS | ARM | SystemVerilog
- **Frameworks/Libraries:** React | React Native | Node | Tailwind | Numpy | Pandas | Scikit-learn | PyTorch | Transformers | Express
- **Databases/Tools:** GraphQL | DynamoDB | S3 | Git | MongoDB | PostgreSQL | PHP

Experience

Resilience, Inc

June 2023 - August 2023

Full-Stack Software Engineer Internship

New York, NY

- Focused on mobile development by leveraging Expo's geolocation module to efficiently access device location on both iOS and Android, ensuring consistent performance across platforms (React Native, Expo).
- Reduced development costs by utilizing physical devices for testing, minimizing reliance on Expo's paid services.
- Worked closely with designers in Figma, translating detailed UI/UX designs into fully responsive, visually compelling mobile interfaces. Collaborated with product managers to ensure seamless alignment of design and functionality throughout the app.
- Implemented interactive map markers to accurately display and manage user locations using Expo's geolocation library, leveraging the device's built-in GPS to minimize location service costs.
- Utilized AsyncStorage to locally store user data, reducing the need for constant database calls and further optimizing cost efficiency.

Projects

LINKR - Social Media App

April 2024 - Current

<https://linkrapp.com/>

- Implemented user authentication with AWS Cognito, real-time email notifications via AWS SES, and state management using context; managed users and messaging with AWS DynamoDB and GraphQL subscriptions for real time messaging.
- Designed and created frontend for mobile ios app with react native and stylesheets and also deployed a website for the mobile app on AWS Route 53
- Created a website to showcase privacy policy and terms of services for the mobile ios app using next.js and typescript. Along with tailwind css for the styling.

Saute - Recipe App

February 2024 - May 2024

<https://webdev.cse.buffalo.edu/hci/teams/ben10>

- Developed REST API endpoints for creating, updating, and deleting posts using Swagger API to create, view, and interact with posts and comments along with using React to create frontend with email authentication.
- Managed development using Trello for Scrum and Agile development practices to iterate on features and improve functionality
- Conducted A/B testing to optimize user experience and validate design choice along with usability tests with users of different backgrounds.

Sentiment Analysis API: Hugging Face Finbert model

August 2024

- Integrated with FastAPI to create a scalable and RESTful API, enabling easy and efficient sentiment classification for various text inputs.
- Utilized the Transformers library to handle tokenization, preprocessing, and efficient execution of the FinBERT model.
- Leveraged PyTorch and CUDA for optimized model performance, significantly improving the speed of sentiment classification.

Chat messaging Web App

February 2024 - May 2024

- Developed a chat messaging web app using JavaScript, HTML, MongoDB, and Python. Implemented secure authentication with JWT, with real-time messaging with WebSockets, and efficient data management with MongoDB.
- Designed media handling for text, images, and videos, and ensured smooth streaming and large file handling. while handling buffering for larger files. Docker for containerization to streamline development, testing, and deployment processes.

Extracurriculars

Society of Asian Engineers (SASE)

Aug 2023 - May 2024

- Attended NorthEast Regional Conference to network with other Asian Engineers

UB Hacking

Aug 2023 - Dec 2024

- Worked on the web development team for University at Buffalo's annual hackathon