

Max Roberts

Atlanta, GA | 502-365-0302 | maxroberts2003@gmail.com | github.com/TheMaxRob | linkedin.com/in/maxwroberts

TECHNICAL SKILLS & CORE COMPETENCIES

Languages/Markup: Python, JavaScript, Swift, Typescript, C++, Java, C, SQL, HTML5, CSS, Markdown

Frameworks/Libraries: React, SwiftUI, Tailwind, Express, Node.js, React Native, Expo, OpenCV, scikit, Socket.io

Tools/Infrastructure: MVVM, Git, Firebase, Docker, AWS, MongoDB, PostgreSQL, GCP

Core Competencies: RESTful APIs, CI/CD, Debugging

PERSONAL PROJECTS

[geoChat](#) | React, NodeJS, MongoDB, Docker, Amazon Web Services, Socket.io

- Built a full-stack, anonymous live chat app; achieved 99 unique users, 1000+ messages, and 600+ user sessions.
- Anonymous and accountless – user access granted through OSM geofencing data (87 supported zones).
- Deployed with Docker on AWS, incorporating a CI/CD pipeline via GitHub Actions for automated deployment.

[Solo](#) | SwiftUI, Mapkit, Firebase

- Implemented a globe-based navigation system to display events for travelers in foreign cities.
- Real-time data syncing, authentication, and messaging with Firebase and client-side MVVM architecture.
- Implemented a cache system for user profiles, chats, meetup lookups, and images to reduce database reads.

[Worldline](#) | React Native, Expo, Mapbox

- Developed a data visualizer for photo library metadata: EXIF statistics, location layers, cluster density processing.
- Worked on a team of 5 developers running scheduled Agile sprints with weekly stand-ups to hit milestones.
- Developed custom “worldline” animation with preloaded interpolated points that travels between users’ photo library locations and dynamically clean themselves up to prevent lag.

[Venmo-Receipt-Scanner](#) | React Native, Python/Flask, Pytesseract, OpenCV

- Full-stack app using Pytesseract for computer vision OpenCV for image processing to parse receipt items.
- Uses a Venmo API to allow the user to assign items to friends and automatically send Venmo requests.

[Raspberry Pi Friend Recognizer](#) | C++, OpenCV (In Progress)

- Facial recognition system with to differentiate my friends in real time using a Raspberry Pi Camera Kit.
- Developed the project entirely within a Pi (Linux) environment to learn coding software for physical devices.

PROFESSIONAL EXPERIENCE

nCent Holdings | *Full-Stack Engineer Intern* | 10/2024 – Present

- Serve as a full-stack engineering intern, utilizing React and Node.js to design and develop the nCent platform, including the database system and data models, enabling users to monetize their personal data.
- Decreased time-to-market for MVP through Agile workflows and using Jira for project management.

Emory Computer Research Lab | *Undergraduate Researcher* | Atlanta, GA | 09/2024 – Present

- Conducting research on using simultaneous RFID Tag Readers to create a programmable ecosystem of IoT stickers that enable embedding internet capabilities into the environment, particularly in regards to DIY projects.

Guardian Owl Digital | *Development Intern* | Louisville, KY | 06/2024 – 08/2024

- Managed Guardian Owl’s blog, optimizing for SEO, and created a GPT model for advertising and website audits.
- Engaged in biweekly team meetings and discussed marketing strategies directly with clients.

EDUCATION

Emory University | Emory College | Atlanta, GA | Aug 2022- May 2026

Bachelor of Science in Computer Science, Minor in Economics | **Cumulative GPA:** 3.65/4.0

Course Work: ML, Database Systems, Linear Algebra, Machine Level Programming, Data Structures & Algorithms

COMMUNITY INVOLVEMENT

Emory Impact Investing Group | *Senior Analyst* | Atlanta, GA | 01/2023 – 09/2024

- Manage a \$250,000 investment fund to give microloans and provide pro-bono consulting to entrepreneurs in Atlanta.

Emory Rock Climbing Team | *Member* | Atlanta, GA | 08/2023 – 12/2024

Kappa Alpha Epsilon | *Philanthropy and Fundraising Chair* | Atlanta GA, | 10/24 – Present