# GENE LEE

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## SKILLS

**Languages:** React Native, JavaScript ES6+, TypeScript, Swift, Objective-C, Java, CSS3, HTML5, Python, SQL

**Tools:** Expo, Jest, Testing Library, Detox, Xcode, Android Studio, Git, Figma, Firebase, BugSnag, CircleCI, Snowflake, Scrum

## EXPERIENCE

**Shipt**                                                                                                           **Remote**
Mobile Software Engineer                                                                        July 2021 – Present
- Develop the Shopper App for **300,000+** Shipt Shoppers, serving **over 1 million** Members in **5,000+** cities
- Lead the mobile frontend (**React Native**) for the **geolocation** squad (**Agile/Scrum** team) of 16 members
- Work with backend and product designers/managers to **design** ETA/routing, geofencing, and in-app navigation
- Enhanced background geolocation **accuracy** during deliveries and reduced gaps in data by **57%**
- Enabled Shipt to be **legally compliant** with Proposition 22 in California - delivered on-time despite tight deadlines
- Decreased the rate of a recurring production issue by **52%**, saving $100,000 from weekly expenses
- Achieved **99.96%** stability and **95%** code coverage with unit/end-to-end/QA **testing** and error/performance monitoring
- Traced/solved key issues through debugging and **data analysis** so that Shoppers get credited properly for their work time

**AGCO Corporation**                                                                                      **Duluth, GA**
Mobile Software Engineer                                                                  October 2020 – June 2021
- Main developer of myAGCO, a CRM app for the **Fortune 500** company's **23,000+** global employees and clients
- Owned the entire SDLC - **built, tested, and deployed** for iOS/Android with React Native and Salesforce Mobile SDK
- Within the first 2 months, shipped major revisions and additional functionality for the **calendar sync** feature
- Major projects: Equipment Assessments and Lead Capture - implemented **offline** capability for forms used by clients (dealers) and marketers in rural areas, which was **crucial for adoption** of myAGCO by 8+ dealerships; estimated to increase equipment revenue/lead generation by 30-40%
- Improved app **performance** by 60% via reducing renders, batching asynchronous calls, and optimizing data structures
- Proposed/executed the adoption of TypeScript and Jest to **automate** debugging, testing (**TDD**), and workflows
- **Features:** Calendar sync, push notifications with deep linking, offline records/forms with syncing, state persistence (local/offline data storage), internationalization for 15+ countries, WebView, and native modules for camera/photos/files

**Deliver-E**                                                                                                     **Atlanta, GA**
Mobile Developer                                                                      August 2019 – January 2020
- Developed the mobile app for a food delivery service tailored to Emory University students
- Main frontend (**React Native**) developer in a team of 5; contributed to the backend (Firebase)
- Integrated 3rd-party **APIs**: Firebase Authentication, Cloud Firestore, Google Maps (geolocation), Stripe (payment)
- **Features:** Real-time delivery progress tracker, tracking of multiple orders, rating system, profile photo uploading and call/text/email capabilities

## PROJECTS

**Social Media Chatbot: Python** – Alexa Prize Socialbot Challenge; worked in a team of 3 to build conversational AI

**Systems Programming (github.com/gnwl33/systems): C** – Shared memory, inter-process communication, pipes, archives

**Alexandria Library (Website)**
- Implemented **RESTful API**, **MVC**, and data model schema using **Node.JS/Express** and **MongoDB**
- Live Site: alexandria-library-js.herokuapp.com      • Source Code: github.com/gnwl33/alexandria-library

## EDUCATION

**Emory University**                                                                                        **Atlanta, GA**
Bachelor of Science in Computer Science | GPA: 3.57 | National Merit Scholar                        May 2020

**Coursework:** Computer Science Practicum (React Native), Data Structures & Algorithms (Java), Database Systems (SQL), Systems Programming (C), Artificial Intelligence (Python), Computational Linguistics (Python), Theory of Computing