# Brandon Cano

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## SKILLS

| | |
|---|---|
| **Programming Languages** | Kotlin \| Java \| JavaScript \| TypeScript \| HTML/CSS \| Python |
| **Frameworks/Libraries** | Jetpack Compose \| Android SDK \| MVVM \| XML Layouts \| Material 3 |
| **Technologies** | Git \| GitLab/GitHub \| Firebase \| SQL/Room \| REST APIs \| LaTeX |

## WORK EXPERIENCE

**Software Engineer**                                                                     August 2024 - Present

*State Farm*                                                                                              *Bloomington, IL*

- Developing and maintaining features for the State Farm Mobile App as an Android developer.
- Implemented RESTful web services with JSON data handling in MVVM-based screens to modernize the app.
- Designed blueprints for common screen patterns to ensure UI/UX consistency across the app.
- Utilize Firebase Crashlytics for real-time crash reporting and monitoring app stability.
- Leveraged Firebase Remote Config to manage feature flags and to dynamically adjust app behavior.
- Continuous collaboration with various teams to review specifications for new features and changes.

**Software Engineer - Intern**                                                               May 2022 - August 2024

*State Farm*                                                                                              *Bloomington, IL*

- Contributed Kotlin-based feature enhancements to the State Farm Mobile App.
- Migrated legacy Java screens to Kotlin and Jetpack Compose, improving maintainability.
- Implemented MVVM screen modules to separate UI from logic, improving testability and reuse.
- Wrote JUnit unit tests for core utility modules, raising coverage and catching edge-case bugs.
- Independently assessed feature changes to ensure complete platform functionality.

## NOTABLE PROJECTS

**Electrical Component Calculator Suite** | Android Apps                          June 2022 - Present

- Independently built Android apps for calculating values of resistors, capacitors, inductors, etc.
- Utilized Kotlin and Jetpack Compose UI with Android Studio to build the apps.
- Created custom-built library to manage shared code, improving maintainability across all apps.
- Continuously enhancing product functionality and resolved technical challenges to optimize performance.
- Combined 100,000+ downloads across all four apps on the Google Play store.

**Graduate Admissions Portal** | Full-Stack Web App                           January 2025 – May 2025

- Led a 4-member Scrum team over six 2-week sprints—facilitating planning, stand-ups, reviews, and retrospectives.
- Designed and implemented a NestJS + TypeORM backend (PostgreSQL) and a Next.js frontend with TypeScript.
- Built weighted scoring engine, reviewer assignment dashboards, and document upload/preview modules in sprint increments.
- Wrote Jest unit tests targeting over 70% coverage to ensure reliability of core application logic.
- Deployed on AWS EC2 using Nginx as a reverse proxy, to managed the domain, and SSL certificates.

## EDUCATION

**Master of Science - Electrical and Computer Engineering**                  August 2023 - May 2025

*University of Iowa*                                                                                      *Iowa City, IA*

- 3.5/4.0 GPA - Specialization in Software Engineering

**Bachelor of Science in Engineering - Computer Engineering**              August 2020 - May 2024

*University of Iowa*                                                                                      *Iowa City, IA*

- 3.7/4.0 GPA - Dean's List
- Minor in Mathematics