

# Brandon Cano

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 <https://github.com/bmcano> |  <https://www.linkedin.com/in/brandon-cano/>

 <https://play.google.com/store/apps/developer?id=Brandon+Cano>

## SKILLS

<b>Programming Languages</b>	Kotlin   Java   JavaScript   TypeScript   HTML/CSS   Python
<b>Frameworks &amp; Libraries</b>	Jetpack Compose   Android SDK   MVVM   XML Layouts   Material 3
<b>Technologies</b>	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.

## 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
- Participated in undergrad-to-graduate (U2G) 5 year plan

### 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

## 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.