

# SHAWN WITTE

[shawn.l.witte@gmail.com](mailto:shawn.l.witte@gmail.com) · (616) 550-2947 · Sacramento, California

 [Minirogue.github.io](https://github.com/Minirogue) ·  [/in/shawn-witte](https://www.linkedin.com/in/shawn-witte) ·  [github.com/Minirogue](https://github.com/Minirogue)

## EMPLOYMENT

---

### Software Engineer, Android

2022–2024

*Tinder*

*Remote*

- Developed and maintained several features as owner of the authentication domain including captcha and third party logins.
- Led a cross-team project to refactor the authentication code of the app for better maintainability.
- Collaborated with an internal working group to establish best practices for modularization to boost developer productivity and improve build times.
- Mentored fellow engineers on internal best practices, coroutines, gradle dependency management, and more.
- Managed team Jira board and facilitated discussions to drive consensus on team processes.

### Android Developer/Senior Software Engineer (Android)

2020–2022

*Stride Health*

*San Francisco, California*

- Worked on the Stride mileage, expense, and tax tracker Android app.
- Promoted use of Kotlin coroutines with best practices to migrate away from RxJava.
- Introduced and promoted rigorous unit testing standards.
- Rewrote the mileage tracking service, updating the maintainability of the app.
- Managed the Android CI/CD pipeline and release process, including migrating CI/CD services.
- Led regular cross-platform technical discussions between iOS and Android engineers.

### Associate Instructor/Teaching Assistant/Research Assistant

2013–2019

*University of California, Mathematics Department*

*Davis, California*

- As instructor of record, responsibilities included lesson planning, lecturing, creating quizzes and exams, submitting final grades, and holding office hours for calculus for biology and medicine (Summer 2014, Summer 2015) and short calculus (Fall 2014). For all other quarters I have either been funded for research or working as a teaching assistant for various upper and lower division courses with the following duties: grading homework, quizzes, midterms, and final exams, holding office hours, and running weekly discussion sections.

## EDUCATION

---

### University of California, Davis

2019

*PhD, Mathematics*

*3.75/4.0 GPA*

### Central Michigan University

2013

*Master of Arts, Mathematics*

*3.8/4.0 GPA*

### Central Michigan University

2010

*Bachelor of Science, Mathematics*

*3.9/4.0 GPA*

## TECHNOLOGIES AND PATTERNS USED

---

Java, Kotlin, Python, coroutines, RxJava, Gradle, Dagger/Hilt, model-view architecture (MVP, MVVM, MVI), Mockito, Mockk, Room, SQLDelight, Retrofit, OkHttp, Ktor, Git, CI/CD, Travis, CircleCI, Bitrise, FLAT architecture, Jira, Scrum, Agile.

## RESEARCH AND PROJECTS

---

### **HoloCanon: An Unofficial Star Wars Canon Tracker**

#### *Android App*

- Holocanon is an Android app that I wrote from scratch to keep track of all existing canonical Star Wars content and which pieces I have read or watched so I can easier select books at the library.
- The user is able to filter and sort media by various methods including by user-defined checked items.
- The app is written with Model-View-ViewModel (MVVM) architecture using Room to persist the Model layer locally as an SQL database and using Dagger 2 as a dependency injection framework.
- The codebase is a combination of Java and Kotlin, making use of Kotlin's coroutines.
- Future plans for the app include expanding to iOS using Kotlin Multiplatform, and implementing a more robust API using Ktor.
- Most recent codebase can be found at <https://github.com/Minirogue/SWMediaTracker>. The published app can be found on the Google Play store at <https://play.google.com/store/apps/details?id=com.minirogue.starwarscanontracker>.