

# MATTHEW DUFFIN

Android Developer &  
Mathematician

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## SKILLS

Android SDK  
Java & XML  
OOD/OOP  
SQLite Databases  
Firebase  
Material Design  
REST & JSON  
OKHttp & Retrofit  
Google APIs  
Butterknife  
Pure Mathematics

## PROFILE

I am a creative and versatile Android developer with a Master's degree in mathematics. I am originally from England, having also spent time living in Scotland, New Zealand and the USA recently.

I thrive in challenging and high-pressure environments, and I utilise my infectious positivity to collaborate effectively with others. In my free time you can find me playing team sports and creating new cocktails.

## EDUCATION

**Android Immersive**  
General Assembly, Seattle  
Completed September 2016

**Master of Mathematics**  
University of St Andrews,  
Scotland UK  
Completed June 2014

## EXPERIENCE

### Freelance Android Developer - [GitHub](#)

*Autel Robotics, Seattle (August - September 2016)*

Flight planning application for drones. My responsibilities included: Google Maps API integration; creating the mutable shape interface; developing the flight path algorithm; communicating the path to the drone. The app will be incorporated as a feature in the new generation Autel application.

### Freelance Android Developer - [GitHub](#)

*Destination Lighting, Seattle (July - August 2016)*

Large-scale ordering application for lighting contractors. My responsibilities included: developing design and user flow using UX research techniques; native camera and gallery interaction; SQLite database setup; linking UI to actions. The application is set to replace the current version later this year.

### Android Development Immersive

*General Assembly, Seattle (June - September 2016)*

Immersive 12-week Android program, co-created with Google developers. Studying 12 hours per day, 5 full teaching days per week, and completing in-depth projects every weekend. Completed 4 full Android applications and many other small projects on a tight schedule.

### Master of Mathematics Degree

*University of St Andrews, Scotland UK (September 2010 - June 2014)*

Master's degree completed in pure mathematics at a top-three ranked university. Final dissertation focused on combinatorics and Latin squares. Other focus areas included: group theory, graph theory, linear algebra, mathematical programming and discrete mathematics.

### Duty Manager & Events Supervisor

*Hilton St George's Park & Moddershall Oaks, UK (June 2015 - June 2016)*

Responsible for staff recruitment and development. Main point of contact/events manager for large weddings and events. Leading teams of up to 50 employees and ensuring safety of all hotel guests.

## PROJECTS

### My Cocktails - [Google Play](#)

*Solo Project:* Cocktail recipe app. Built with tools including: SQLite databases; asynchronous tasks; custom RecyclerView adapters; asynchronous networking libraries; shared transition animations; Fabric analytics. Since its August release, the app has 4500+ downloads, 100+ active users per day, and a store rating of 4.6 stars.

### FindMyPet! - [GitHub](#)

*Group Project:* Winning entry at a Socrata hackathon. Lost & found pet application for the Seattle area, created in 24 hours. My responsibilities included: liaising between design and development teams; developing user flow; structuring API calls and models using retrofit; creating custom dialogs; implementing custom RecyclerView adapters.

### My Recipe Book - [GitHub](#)

*Solo Project:* First full Android application. Personal recipe book, where users can create recipes and take photos to remember their favorite dishes. Built with tools including: custom parcelable objects; Grid Views; use of the native camera; saving/persisting access to images across activities.