

# Charles Drews

New York, NY | charlesdrews@gmail.com | 847-269-0691 | charlesdrews.com

**SKILLS** **CS:** Java | Android SDK | XML | JSON | REST APIs | SQL | Python | Bash | Git & Github | Android Studio  
**Business:** Project scoping/mgmt | Deliverable writing | Leading meetings/presentations | Remote collab.

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**ANDROID APPS ON GOOGLE PLAY STORE** **Don't Forget:** Reminder app providing notifications at user-specified times from a background service including weather based on location, tasks by due date/time, and birthdays from Google contacts  
**Pongish:** Built a game engine from scratch for this Pong clone; graphics drawn via Canvas/SurfaceView  
**Etch-Your-Sketch:** Classic Etch-A-Sketch action using custom views and Canvas, plus extras like multiple colors, line weights, erase by shaking, save etchings to gallery, and share to other apps

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**EXPERIENCE** **General Assembly** 6/2016 – 1/2017  
*Instructional Associate* New York, NY

- Co-taught two full-time 12-week sessions of GA's Android Development Immersive
- Led lessons, graded assignments, managed class site & repos, coordinated w/ support teams
- Wrote over two dozen new lessons/exercises/assignments, including lessons on MVP architecture, testing w/ Mockito, master/detail flow, Canvas & SurfaceView, Github Pages

**NYU Langone Medical Center** 2/2015 – 9/2015  
*Senior Performance Analyst* New York, NY

- Aggregated disparate data to produce analyses for a C-suite audience on a daily basis
- Quantified relationships between hospital metrics via over a dozen regression & correlation tests
- Built several KPI models to quantify facility utilization & throughput; tracked Lean metrics
- Facilitated monthly interdepartmental meetings to verify and explain trends in the data

**Deloitte Consulting LLP** 3/2005 – 8/2014  
*Manager* (9/2011 – 8/2014) New York, NY  
*Sr. Consultant* (9/2008 – 9/2011) | *Consultant* (9/2006 – 9/2008) | *Analyst* (3/2005 – 9/2006) Chicago, IL

- Built databases w/ 10MM+ records for over half a dozen clients; wrote SQL to analyze trends
- Wrote Visual Basic macros and built complex Excel models for over two dozen clients
- Led development of client deliverables; traveled 1-2x per month to lead client meetings
- Managed 5-10 client and internal projects at a time w/ 1-2 junior staff per project

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**EDUCATION** **General Assembly** 1/2016 – 4/2016  
*Android Development Immersive Student* New York, NY

- Built *Don't Forget* (see above), also runner-up in team hackathon w/ *QuickTap*, an app to search for beers by voice, then order and check-in your beers
- Worked w/ teams and solo to build dozens more apps utilizing various APIs, Retrofit, Volley, Picasso, Glide, SQLite, Realm, Firebase, background threads & services, SyncAdapters, etc.

**New York University – Courant Institute of Mathematical Sciences** 9/2014  
*MS in Computer Science* New York, NY

- Studied algorithm design & analysis, programming language theory, compilers, operating systems & virtual machines, database theory, NLP, and scientific computing
- Built and deployed web apps in Python and C#; implemented OS and VM components in C
- Used MATLAB to solve systems, perform regression & interpolation, apply Monte Carlo methods

**Northwestern University** 6/2004  
*BA in Mathematics* Evanston, IL