Charles Drews

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SUMMARY Android developer with practical experience from a bootcamp created in collaboration with Google, a theoretical foundation from a master's in CS, a logical foundation from a BA in math, plus communication and management skills from nearly a decade of consulting – looking forward to continued growth as a developer and tackling new challenges

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

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

- Built a weather/task/birthday reminder app w/ notifications delivered at key times each day; used geolocation, Sync Adapter, Intent Services, Weather Underground API, Retrofit, Picasso, Realm
- Runner-up in hackathon w/ app to search for beers by voice, check them in, and order via SMS; teamed with 2 other developers and used HP speech recognition API, BreweryDB API, Retrofit
- Worked in a team of 4 to create a quick info card app w/ news and to-do list notifications at user-selected dates/times; built with NY Times API, Retrofit, Picasso, SQLite, sync adapters
- Built an app to search local destinations by multiple criteria, then view, save, and edit favorite places, ratings and notes; used SQLite and shared element transition animations

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

- Studied algorithm design & analysis, programming language theory, operating system & virtual machine components, database theory, and scientific computing
- Built and deployed web apps in Python with Google App Engine and in C# with .NET & Azure
- Implemented several operating system components, a virtual machine emulator & profiler, and multiple parallel programming paradigms in C
- Solved linear & nonlinear systems, performed regression & interpolation, and applied Monte Carlo methods in MATLAB

Northwestern University   6/2004
BA in Mathematics   Evanston, IL