Marcus Sjolin

3A SOFTWARE ENGINEERING

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Summary of Skills

- Java, Python, XML, JSON, SQLite, PostgreSQL and Google Protocol Buffers
- Android mobile development using libraries such as Volley, Picasso and Gson
- Machine Learning development using Python and Octave
- Vim, Android Studio, Bash shell, Xcode, Git and Mercurial
- Django Python Web framework development
- Fluent in French, Swedish and English

Work Experience

Hipmunk Inc.
San Francisco, CA, USA

SOFTWARE ENGINEER INTERN
September 2015 - December 2015

- Implemented a large overhaul of the UI and functionality of the Hipmunk Android application as part of the "Discover" feature which allows users to plan and book trips seamlessly from their phones and tablets
- Developed the sharing feature on the Hipmunk Android application for users to share hotels and flight itineraries across platforms

Pebble Technology
Palo Alto, CA, USA

ANDROID DEVELOPER INTERN
January 2015 - May 2015

- Wrote over 21,000 lines of code in Android Studio to develop the brand new Calendar and Weather features on the Pebble Time smartwatch using The Weather Channel API and Google Location Services
- Recreated the entire first use flow for the Pebble Time Android application used by hundreds of thousands of users

Houred (formerly Adifesto)
Kitchener, ON, Canada

SOFTWARE ENGINEER INTERN
May 2014 - September 2014

- Created Android mobile application from scratch in Android Studio while integrating Google Maps Android API
- Developed backend data models in Python and Django to hold information for over 300,000 stores

Engineering Software Computer Technologies & Training
Various Locations

INDEPENDENT CONTRACTOR (PART-TIME)
October 2015 - Present

- Constructed entire Risk Management Android application from scratch to allow construction project managers to enter and edit risks

Pioneer Brand Honey
King City, ON, Canada

APIARIST (BEEKEEPER)
June 2013 - September 2013

- Optimized honey and pollen harvesting through a strong work ethic while working in a team environment

Projects & Distinctions

StoreStuff
CalHacks 2.0 (Berkeley, CA, USA)

JAVA, XML
October 2015

- Developed Android application for on-demand physical storage using the Postmates and HERE Maps APIs. Microsoft API prize winners

Stanford Machine Learning Course
Coursera (Online)

PYTHON, OCTAVE
June 2014 - September 2014

- Completed over 20 hours of lectures and over 90 review questions along with weekly programming exercises
- Implemented techniques such as Linear and Logistic Regression, Regularization, Neural Networks, Support Vector Machines, Clustering and Machine Learning System Design

Berkeley Artificial Intelligence Course
edX (Online)

PYTHON
January 2015 - May 2015

- Completed programming assignments and answered over 250 questions regarding Uninformed and Informed search, Backtracking search, Constraint Propagation, Minimax and Expectimax and Markov Decision Processes

Distinctions

- President of Aurora High School Athletic Council and Vice-President of Aurora High School Student Council
- Hall of Fame Award and Senior Athlete of the Year Award from Aurora High School Athletics

Education

University of Waterloo
Waterloo, ON, Canada

CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING, HONOURS, CO-OP
2018 (Expected)