Jacob Marttinen

4B Honours Math/CS, UW
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Portfolio at marttinen.ca

Work Experience

Web Engineer *Oct. 2012 – Current*
Work Market – New York, NY
- Engineer features using the full Work Market application stack (Java/Spring/Hibernate/backbone.js)

Junior Engineer *Sep. 2012*
Kohort Inc. – New York, NY
- Engineered and optimized services written in Node.js & PHP and refined AWS infrastructure configuration & development with Chef for a large-scale social groups web application

Entrepreneurial Hacker *Apr. 2012 – Aug.2012*
Peek – New York, NY
- Developed Peek Cloud Sync client application enabling feature phones to store messages, contacts, and pictures in the cloud, as well as a web interface for browser usage
- Worked on creating SDK for showing advertisements on MTK/MStar/Android client devices, including tracking and displaying metrics (clicks/impressions)

Software Developer *Aug. 2011 – Jan. 2012*
3D Applications, Arcestra Inc. – Toronto, ON

Software Developer *Apr. – Sep. 2010, Jan. – Apr. 2011*
Real-time Analytics/Query Processing, Sybase Canada Limited – Waterloo, ON

IT Quality Assurance Specialist *Apr. 2009 – Sep. 2009*
Babcock & Wilcox Canada – Cambridge, ON

Education

Pursuing a **Bachelor of Mathematics in Computer Science** *Apr. 2013 completion*
University of Waterloo, Canada
- Relevant courses: Algorithms, Logic, Data Structures, Graphics

Summary of Qualifications

- Strong theoretical understanding of software design patterns, paradigms, & requirements in OO programming
- Comfortable with programming in C, C++ (inc. Qt), Node.JS, Javascript (+ backbone.js), Java (+ Spring, Hibernate), HTML/CSS & many others to a lesser degree (OpenGL, PHP)
- Experienced in mobile development on both feature-phones (MTK) and smart–phones (Android)
- Knowledgeable in the theory and application of the fundamentals of algorithm design/analysis/implementation