

EDUCATION

- **University of Alberta** Edmonton, AB
Master of Science in Electrical and Electronics; GPA: 3.9 *Sep. 2009 – Sep. 2012*
- **Huazhong University of Science and Technology** Wuhan, China
Bachelor of Engineering in Electrical and Electronics; GPA: 3.8 *Sep. 2005 – Jun. 2009*

EXPERIENCE

- **Gettyimages** Calgary, AB
Software Engineer *Nov. 2014 - Now*
 - **iStock.com:** Implemented important features on iStock website such as Search Result Page, Download history, and Admin interface for customer service representatives to assist purchasing credits, and managing profiles.
 - **Asset Migration:** Migrated millions of video assets from one platform to cloud. Built comprehensive program for assets sanitization and verification.
 - **Royalty Calculation:** Wrote core logic for royalty calculation and distribution among contributors.
 - **Tax Review Dashboard:** Built framework for users outside USA to conduct tax review process online. Worked with remote teams to accomplish the project.
 - **Currency Management Dashboard:** Built currency rate management dashboard that helped customer support team to provide sales assistant to customers all over the world.
 - **Database Analyzer:** Built comprehensive program to analyze data across hundreds of database tables to derive key data that developers need to use everyday. It boosted productivity for several developers.
- **Markit** Calgary, AB
Software Developer *Sep. 2013 - Nov. 2014*
 - **Simulation Engine:** Built and optimized high performance simulation for financial and scientific calculation.
 - **DSL:** Implemented Domain Specific Language for financial programming. It features dynamic data type, generics, and Just-In-Time compilation.
 - **IDE:** Built full-featured IDE to support DSL, including editing, compiling, and debugging. It is built with GTK+ and other technologies.
- **University of Alberta** Edmonton, AB
Research Assistant *Sep. 2009 - Sep. 2012*
 - **Radio Resource Management and Optimization:** Implemented innovative and important algorithms to optimize radio resource of scarcity for maximum throughput in the Wireless Network.
 - **Teaching Assistant:** Teaching course on Assembly Programming Language to sophomore students

PROJECTS

- **Superunique.ca:** Built a full-blown e-commerce website for express shipping company. Served thousands of customers daily for shipping packages to China. Built a comprehensive administration application that enables business owner to manage inventory, statistics, and accounts.
- **Data Visualization Tool:** Provided visualization for sales data using D3.js and Vue. Helped customer to analyze and discover potentials to improve service and sales.
- **Wifriend iOS App:** Built an app that helps people share their home WiFi network, as well as contact, addresses with friends. It is built in Swift.
- **Reddit iOS Client:** Built reddit iOS client using Swift and RxSwift. It features daily digest download, and multiple account.

PROGRAMMING SKILLS

- **Languages:** Ruby, Javascript, Swift, Objective-C, SQL **Technologies:** RubyOnRails, iOS, Angular, React