David Xu

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https://dxuprog.github.io

EDUCATION

Masters of Mathematics, Computer Science, Thesis Option   **2014-2016**
University of Waterloo, Waterloo, ON, Canada.
- Thesis focusing on Computational Neuroscience and Machine Learning.

Bachelors in Engineering, Biomedical & Electrical   **2007-2012**
Carleton University, Ottawa, ON, Canada.
- Senate Medal for Outstanding Academic Achievement (top 3%)

SOFTWARE DEVELOPMENT PROFIENCY

- **Languages**: Java, JavaScript, Python, TypeScript, SQL, C++, PHP
- **Frameworks**: Spring, AngularJS, J2EE, Ionic, Hibernate, Liquibase, REST, RabbitMQ
- **Tools**: IntelliJ, Eclipse, Git, JIRA, Maven, Ant, Android

WORK EXPERIENCE

Ultimate Software   **Sept 2016-Present**
Full-Stack Software Engineer   Toronto, ON
- Core engineer of a cloud HR module from alpha release and onto live production.
- Implemented full-stack, enterprise grade solutions using Spring Boot and AngularJS. Played a vital role in database migrations and front-end conversions.
- Developed API's and message queues to integrate large amounts of data between modules and microservices using RabbitMQ.
- Started a pilot initiative for a mobile assistant using API.AI and Google Assistant.

Nokia (formerly known as Alcatel-Lucent)   **May 2012-Aug 2014**
Software Development Engineer   Ottawa, ON
- Implemented front-end and back-end features on a mission critical OSS software used by telecommunications companies using a J2EE framework.
- Played a lead role designing and implementing a highly requested feature for deployment of snapshot configurations on thousands of network elements.

Nokia (formerly known as Nakina Systems)   **Jan 2010-Dec 2011**
Software Developer   Ottawa, ON
- Implemented features on server and client side network management software that relied on J2EE, Hibernate ORM, Java Swing and JavaServer Pages (JSP).
- Developed a large scale testing framework to simulate 100's of API calls per second.

Canadian Border Services Agency   **May 2009-Sept 2009**
Software Developer and Biometrics Analyst   Ottawa, ON
- Created a PHP and MySQL based content system for border surveillance aid.

PROJECTS (**GitHub**: dxuprog, **More Info:** https://dxuprog.github.io)

Canadian Income Tax Calculator (Google Play, 20,000+ downloads)
- Created and marketed a popular mobile tax application built on native Blackberry OS and ported to Android.