Amin Bandali

TORONTO, ON, CANADA

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EDUCATION

York University, Toronto, Canada

Honours Bachelor of Science in Computer Science   2014–present

- Cumulative GPA: 7.9/9.0
- Relevant coursework: Computational Complexity, AI & Logic Programming, System Specification & Refinement, OS Design, Design & Analysis of Algorithms

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EXPERIENCE

Software Engineering Lab, York University   summer 2016

Research Student

- Decoupled the logic module of **Literate Unit-B**, and used it to build **Unit-B Web**, a web interface using Literate Unit-B for doing predicate calculus proofs.
- Currently volunteering for implementing subtyping for Literate Unit-B.

Lotek Wireless Inc., Newmarket, Canada   2015–2016

Software Developer

- Created various applications in **C** and **C#** to test and analyze a **satellite pass prediction** algorithm for predicting pass windows of **Argos** satellites
- Designed and implemented an employee portal in **C#** and **MVC**, used by employees for accessing data catalogs and archives

EmacsConf 2015, emacsconf.org   summer 2015

Organizer

- Key organizer and maintainer of vital pieces of the EmacsConf infrastructure

Athlete Builder, Ottawa, Canada   2013–2014

Software Developer

- Developed the Backend of Athlete Builder platform in **C#** and **MVC**
- Key role in development of the platform core
- Developed the alpha version of Athlete Builder Android app in **Java**

PROGRAMMING SKILLS

Linux and Windows; Python, C, C#, Haskell, Java, JavaScript, LaTeX

Familiar with C++, Bash scripting, Rust, PHP

Tools: Git, Emacs, Zsh, CI Systems, Rodin, SQL DBs

RESEARCH INTERESTS

Programming languages, type systems, and formal methods.