Jaydon Lau

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EDUCATION

University of Waterloo, *Bachelor of Computer Science*   APRIL 2019
- Minor in Combinatorics & Optimization

Wilfrid Laurier University, *Bachelor of Business Administration*   APRIL 2019
- Specialization in Finance

WORK EXPERIENCE

Redfin Corp.   *Jan - May 2018 | Sept - Dec 2018*
Software Developer Intern - Offers Engineering Team   *Seattle, WA*
- Full stack feature work on both the web and mobile Agent Tools platform
- Supported the national release of the Android Mobile Agent Tools
- Improved the team's code review request workflow by utilizing Botkit and Slack APIs
- Rewrote Java endpoints for performance improvements, going from roughly 800ms to 450ms
- Wrote unit tests with Jest and Enzyme, and automation tests with Appium
- Joined the Security Working Group as a cross-team effort to improve engineering security practices
- Participated in the Redfin Hackathon, where the team won the Best Overall Award

Investment Technology Group   *Jan - May 2017*
Algorithmic Trading Developer Intern   *Toronto, ON*
- Optimized a deploy tool written in C# by using multi-threading and data compression, reducing the running time by up to 50%, saving over 250 hours annually
- Implemented new behaviours for varying risk tolerance on different trading strategies in C++ and C#, including hedging, opportunistic, VWAP and volume participation algorithms
- Debugged issues with algo strategies using a real-time testing environment and wrote Lua scripts for simulated testing in order to ensure the algo was behaving as expected

CognisantMD   *Jan - May 2016*
Software Developer Intern   *Toronto, ON*
- Developed both front-end UI and back-end endpoints for utilizing electronic medical forms with encrypted patient health information using RequireJS, Spring MVC and MongoDB
- Wrote a health card validation service using SOAP architecture and public key infrastructure with a digital signature scheme (WS-Security) through the Ontario Ministry of Health

University of Waterloo   *Sept 2015 - Jan 2016*
Undergraduate Teacher's Assistant   *Waterloo, ON*
- Worked as a Math TA for two terms, marking MATH135 (Algebra) and MATH127 (Calculus I)

PROJECTS

CryptoPals - *Matasano Crypto Challenges (2017)*
- Set of challenges covering various topics in cryptography (partial solutions in Python)

Chess Clock Time Control - *Android App (2016)*
- Chess clock timer that implements different types of delay increments (Fischer, Bronstein)

TECHNICAL SKILLS

LANGUAGES: Java, Python, JavaScript, C++, C#, HTML, CSS, SQL
TECHNOLOGIES: React, React Native, Hibernate, Spring, Android, JUnit, Git, SVN, Jenkins