

# Jaydon Lau

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3B Computer Science & Business Administration (Double Degree)

## WORK EXPERIENCE

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| MAY 2017<br>JAN 2017 | <b>Investment Technology Group</b><br><i>Algorithmic Trading Developer</i> <ul style="list-style-type: none"><li>Improved a deploy tool written in C# by using multi-threading and compression algorithms, cutting the running time by up to 50%, saving over 250 hours.</li><li>Implemented features for trading strategies in C++ and C#, writing Lua scripts for testing</li><li>Gained valuable experience in algo trading strategies and the financial markets</li></ul> |
| MAY 2016<br>JAN 2016 | <b>CognisantMD</b><br><i>Software Developer</i> <ul style="list-style-type: none"><li>Improved asynchronous data transmission from the Spring/MongoDB back end to the Android client for handling encrypted PHI</li><li>Implemented UI redesign using Bootstrap and RequireJS for modularizing Javascript code</li><li>Worked on implementing a health card validation service using SOAP and public key cryptography</li></ul>   |
| SEP 2015<br>May 2015 | <b>Piller's Fine Foods</b><br><i>Web Developer</i> <ul style="list-style-type: none"><li>Developed a fully responsive website using Bootstrap and Javascript/jQuery</li></ul>   |
| JAN 2016<br>SEP 2015 | <b>University of Waterloo</b><br><i>Undergraduate Marker</i> <ul style="list-style-type: none"><li>Worked as a Math TA for two terms, marking MATH135 and MATH127.</li></ul>  |

## TECHNICAL EXPERIENCE

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- CryptoPals** - *Matasano Crypto Challenges (2017)*
- Partial solutions written in Python
- Chess Clock Time Control** - *Android App (2016)*
- Chess clock timer that implements different types of delay increments (Fischer, Bronstein)
- Crypto** - *Android App (2015)*
- Implements encryption and decryption with asymmetric algorithm (RSA)
  - (In Progress) Implements encryption and decryption with symmetric algorithm (DES, AES)

## EDUCATION

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FALL 2014 - (Aug 2019) Candidate for Bachelor of Computer Science, Bachelor of Business Administration  
University of Waterloo and Wilfrid Laurier University

## ACHIEVEMENTS AND AWARDS

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- Work Term Report Award - *University of Waterloo, May 2016*
- Won the Math Faculty award, comparing client-side encryption with end-to-end encryption.
- Samsung Live Case Competition Finalist - *Wilfrid Laurier University, Oct. 2014*
- 2nd place out of 250 teams in the Samsung Live Case Competition, presenting to Samsung executives

## TECHINICAL SKILLS

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LANGUAGES: Java, Python, HTML/CSS, JavaScript, C++, C#  
TOOLS/Frameworks: Spring, Git, Vim, JUnit, Android Studio, Eclipse, Visual Studio