

Jaydon Lau

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3B Computer Science & Business Administration (Double Degree)

WORK EXPERIENCE

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| MAY 2017
JAN 2017 | Investment Technology Group
<i>Algorithmic Trading Developer</i> <ul style="list-style-type: none">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 annually.Implemented features for trading strategies in C++ and C#, writing Lua scripts for testingGained valuable experience in algo trading strategies and the financial markets |
| MAY 2016
JAN 2016 | CognisantMD
<i>Software Developer</i> <ul style="list-style-type: none">Improved asynchronous data transmission from the Spring/MongoDB backend to the Android client for handling encrypted PHIImplemented UI redesign using Bootstrap and RequireJS for modularizing Javascript codeWorked on implementing a health card validation service using SOAP and public key cryptography |
| SEP 2015
May 2015 | Piller's Fine Foods
<i>Web Developer</i> <ul style="list-style-type: none">Developed a fully responsive website using Bootstrap and Javascript/jQuery |
| JAN 2016
SEP 2015 | University of Waterloo
<i>Undergraduate Marker</i> <ul style="list-style-type: none">Worked as a Math TA for two terms, marking MATH135 and MATH127. |

TECHNICAL EXPERIENCE

- [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

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

ACHIEVEMENTS AND AWARDS

- 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

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