Jaydon Lau

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4B Computer Science & Business Administration (Double Degree)

WORK EXPERIENCE

MAY 2017
JAN 2017

Investment Technology Group
Algorithmic Trading Developer
- 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 testing
- Gained valuable experience in algo trading strategies and the financial markets
- Debugged issues with algo strategies using real-time testing environment

MAY 2016
JAN 2016

CognisantMD
Software Developer
- Improved asynchronous data transmission from the Spring/MongoDB back end to the Android client for handling encrypted PHI
- Implemented UI redesign with Bootstrap and RequireJS for modularizing Javascript code
- Developed both the front end and back end code for previewing and reverting an electronic form's history using Spring MVC
- Worked on implementing a health card validation service using SOAP and public key cryptography

SEP 2015
MAY 2015

Piller's Fine Foods
Web Developer
- Developed a fully responsive website using Bootstrap and Javascript/jQuery
- Wrote a plug-in in PHP to receive and validate POST data on Craft CMS, along with sending automated e-mails

JAN 2016
SEP 2015

University of Waterloo
Undergraduate Marker
- Worked as a Math TA for two terms, marking MATH135 and MATH127.

PROJECTS

CryptoPals - *Matasano Crypto Challenges (2017)*
- Set of challenges covering various cryptographic topics (partial solutions 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 various cryptographic encryption and decryption algorithms

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 (2nd out of 250 teams)   *Wilfrid Laurier University, Oct. 2014*

TECHINCAL SKILLS

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