Jaydon Lau

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3A Computer Science & Business Administration (Double Degree)

TECHINCAL SKILLS

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

WORK EXPERIENCE

APR 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 using 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
- Wrote code for data exports and billing information with REST endpoints

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.

RELEVANT PROJECTS

Chess Clock Time Control - *Android App*

- Chess clock timer that implements different types of delay increments (Fischer, Bronstein)

Crypto - *Android App*

- Implements encryption and decryption with asymmetric algorithm (RSA)

- (*In Progress*) Implements encryption and decryption with symmetric algorithm (DES, AES)

EDUCATION

FALL 2014 - Present   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 an award for my 2A work term report, titled "Using Cryptography to Handle Patient Health Information", 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

Term Dean's Honours List - *University of Waterloo, Jan. 2014*