

# David Zhou

## PROFILE

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WEBSITE: [www.davidzhou.ca](http://www.davidzhou.ca)  
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EMAIL: [info@davidzhou.ca](mailto:info@davidzhou.ca)  
LANGUAGES: Fluent in English, intermediate French and conversational Mandarin

## COMPUTER SKILLS

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ADVANCED: Java, AWS, VB/C# .NET, SQL (Postgre, Oracle, MS)  
INTERMEDIATE: Web Development (HTML, CSS, JavaScript),  $\text{\LaTeX}$ , C/C++, Linux, Windows  
BASIC: MIPS Assembly, Python, Bash, Delphi

## EDUCATION

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JUNE 2016 | **McGill University**, Montréal  
B.A. in Software Engineering, minor in Economics  
VP Internal, Computer Science Undergraduate Society, 2015-2016  
Student Help Desk Tutoring, 2015  
CUMULATIVE GPA: 3.37/4.00 [| Detailed List of Courses](#)

## WORK EXPERIENCE

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AUG 2016 - PRESENT | **Software Development Engineer at AMAZON ROBOTICS**  
*Technologies used:* Java, Web Services, Hazelcast, DynamoDB, SNS, SQS, S3  
In the first six months, I built a robust distributed caching layer that reduced database throughput cost by 65%. I also spearheaded an effort to simplify a web service API that required coordinating efforts across 20+ teams.

APR-SEPT 2015 | **Solutions Development Trainee at PURKINJE INC.**  
*Technologies used:* C#.NET, ASP.NET, MSSQL, MVC 5, X.509 certificates, Twilio, Delphi, JavaScript  
On a team of 3 interns, I built a new online platform for patients to manager their appointments and integrate this information into the company's existing scheduling product.

MAY-AUG 2014 | **Software Developer (Student) at ABORIGINAL AFFAIRS AND NORTHERN DEVELOPMENT CANADA**  
*Technologies used:* VB.NET, ASP.NET, PL/SQL in Oracle, CSLA, Crystal Reports  
As part of a continuing maintenance team, I resolved backlog tickets and assisted in the implementation of new features from change requests.

MAY-AUG 2013 | **Border Services Officer (Student) at CANADA BORDER SERVICES AGENCY**  
I went beyond my usual duties as a customs officer by designing a system to accelerate data entry through the use of bar codes.

## OTHER SKILLS, INTERESTS AND ACTIVITIES

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Interest in current affairs, computer games, and cooking  
Strong knowledge of political systems, history, and geography

*References available upon request*

## B.A. in SOFTWARE ENGINEERING, McGill University

### Notable Courses

COURSE	GRADE	CREDIT WEIGHT
COMP 250 Intro to Computer Science	A	3
COMP 206 Intro to Software Systems	A	3
COMP 251 Algorithms and Data Structures	A-	3
COMP 273 Intro to Computer Systems	A	3
ECON 227 Economic Statistics	A-	6
ECON 230 Microeconomic Theory	A-	6
ECON 306 Labour Markets & Wages	A-	3
COMP 302 Programming Lang & Paradigms	A-	3
COMP 303 Software Development	B	3
COMP 360 Algorithm Design	A-	3
MATH 240 Discrete Structures 1	A	3
COMP 310 Operating Systems	B+	3
COMP 361 Software Engineering Project	A	6
COMP 421 Database Systems	A	3
MATH 223 Linear Algebra	B+	3
COMP 307 Principles of Web Development	A	2
COMP 330 Theory of Computation	A	3
ECON 337 Econometrics 1	A	3
COMP 512 Distributed Systems	A-	4
COMP 322 Intro to C++	A	1
COMP 520 Compiler Design	A	4