

EDUCATION

University of Waterloo

Candidate for **Bachelor's of Software Engineering**
Class of 2018

SKILLS

I am capable of developing programs in **C++, Objective-C, Java, C** and **Python**.

In addition, I am able to utilize **HTML, CSS** and **JavaScript** to design & create websites.

I have experience in multiple programming disciplines including **web, mobile, enterprise, test** and **hardware**.

Furthermore, I am a **certified A+ and Network+ Technician** by CompTIA.

For links to my open-source projects, visit github.com/jamiboy16

EXPERIENCE

SOFTWARE TEST DEVELOPER, BLACKBERRY LTD., WATERLOO, ON 2015

- Improved and maintained the test infrastructure of the **BlackBerry Enterprise Server 12**, BlackBerry's mobile device management solution, implemented mostly in **Java**
- Improved the flow of currently implemented tests in the build pipeline, heavily working with **Apache Maven** and **Jenkins**
- Created **robust, independent, and expandable tests** capable of checking core server capabilities using the **TestNG** and **Mockito frameworks**

SOFTWARE ENGINEER, IMAGGLE INC., MINATO-KU, TOKYO 2014

- A **premium consumer-to-consumer fashion startup** in Tokyo, Japan, allowing women to buy and sell high-brand clothing and accessories
- Implemented push-notifications & activities in the native iOS app, utilizing **Objective-C** for the client device and **JavaScript** for the database
- Coded **python scripts** for manipulating large number of rows in the **Parse database**
- Built a server to replace the current implementation, using **node.js, MongoDB, S3 & EC2**
- Created a landing page using **HTML/CSS/JavaScript**
- Participated in photo shoots as the role of the photographer for **marketing** purposes

COMPUTER TECHNICIAN, TEXTOR SYS., TORONTO, ONTARIO 2012

- **Diagnosed, troubleshooted, and fixed computers** in regards to both hardware and software related problems
- Responsible for **helping customers** choose and purchase computer-hardware related products

PERSONAL PROJECTS

FULLSTACK WEB DEVELOPER, BEARDED NINJA 2015

- An open-source **chat service** with focus in **persistent user activity** throughout a session
- Designed and implemented the front-end, mainly using **AngularJS** and **Bootstrap**
- Built the server with **node.js**, with **MongoDB** as the database

SERVER DEVELOPER, TELEPONG 2014

- An open-source program to **simulate a game of Pong** through the use of **Android/iOS** devices as paddles and computer monitors for displays
- Built the server for communication between devices, utilizing **node.js** and **socket.io**
- Developed during the **Facebook Hackathon** at the University of Waterloo, and was granted an **honourable mention** at the ending ceremony

SERVER DEVELOPER, GOOD MORNING 2013

- A **personalized day-at-a-glance service** that displays information that is most valuable in the morning, such as weather and news, in a friendly and readable way
- Wrote algorithms in **JavaScript** and **C** to manipulate weather and user data to generate information used by the website and mobile apps
- **1st place winner** of Waterloo's **EngHack 2013**, a hackathon organized by the university's engineering society