

# Joel Scarfone

Software Developer

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## EXPERIENCE

### IBM – Extreme Blue Software Development Intern

May 2017 - August 2017

Toronto ON, Canada

Extreme Blue is IBM's premier internship, where groups of four interns develop cutting edge technologies from ideation to implementation

- Developed a POC for cutting edge query optimization technology using Python with machine learning to accelerate analytical queries
- Generated and processed the data set, as well as formatted output of machine learning models to be ran through the database engine
- Pitched the project to executives at IBM headquarters in New York
- Contributed skills in a fast paced startup-like environment enhancing leadership and communication skills

### Akamai Technologies – Software Development Engineer in Test

May 2015 - December 2015, May 2016 - August 2016

Ottawa ON, Canada

- Maintained, tested, and shipped a worldwide highly parallel distributed product that optimizes millions of image renderings on web pages
- Specialized in developing automated Ruby specs for various components of Image Manager, leading to a comprehensive understanding of properly formatted object oriented programming in an Agile environment
- Led implementation of end-to-end testing, Cassandra NoSQL testing, as well as tool development for increased productivity

### Carleton University – Teaching Assistant

January 2016 - April 2016

Ottawa ON, Canada

- Assisted in the teaching of object-oriented software development, including topics such as data abstraction, modularity, encapsulation, reusability, and design patterns using C++

## EDUCATION

### Carleton University – Computer Science

Expected Graduation Date: December 2017

Ottawa ON, Canada

- Bachelor of Computer Science, Honours
- Minor in Mathematics

## LANGUAGES

### Proficient:

- Ruby, Java, Python

### Experience with:

- C++, Bash, C, JavaScript, Prolog, HTML, Scheme

## SKILLS PROFILE

- Source code management, including Git
- Object Oriented Programming / Design Patterns
- Proficient with the Unix/Linux command line interface
- Agile Methodologies

## PERSONAL PROJECTS

### Cubi Roll

- Utilized Unity and C# scripting to independently design, implement, and release the mobile entertainment application 'Cubi Roll' for Android and iOS

## EXTRACURRICULAR

### Intramural Ultimate Frisbee

- As team captain, register and lead an intramural ultimate frisbee team

### Hackathon Attendee

- Won best VR application at Hack Western 3 – looking to attend additional hackathons in the future

### Pianist

- Self taught pianist and composer of multiple pieces of music