

# Arjun Sharma

✉ a.sharma11@live.ca

📍 Toronto, Canada

in [linkedin.com/in/arjun-sharma1](https://www.linkedin.com/in/arjun-sharma1)

📞 647-270-9911

🌐 [www.arjun-sharma.com](http://www.arjun-sharma.com)

🐙 [github.com/arjun-sharma1](https://github.com/arjun-sharma1)

## WORK EXPERIENCE

### **Websphere Application Server (W.A.S) Software Developer Intern**

IBM

05/2017 – 08/2018

*Achievements/Tasks*

- Worked alongside W.A.S architect to implement performance fixes such as caching fields, multi-threading, memory management, and improving synchronization for the JSON Logging feature in W.A.S which improved logging performance by ~22%.
- Developed multiple internal tools in Java that automated the process of assigning customer defects to the correct IBM developer and a tool that generated defect statistic reports which were used by upper management.
- Assisted in writing MicroProfile Metrics project specification and engineered new methods and constructors that required less overhead for creating metrics. Also, fixed bugs that users reported during early release of Microprofile Metrics-1.0 project.

### **Future Blue Web Team Lead**

IBM

01/2018 – 04/2018

*Achievements/Tasks*

- Revamped internal IBM ride-share web application for interns which received over 50 signups using React, Express, MongoDB and Node.js.
- Hosted React Workshop for IBM employees and provided guidance during the workshop by answering questions and assisting in debugging code resulting in attendees giving good reviews after the workshop.
- Updated different pages on internal IBM Future Blue website and fixed broken links which was created purely using HTML, CSS, and Javascript.

### **Teaching Assistant - Data Structures and Analysis (CSC263), Software Design (CSC207)**

University of Toronto

09/2016 – 04/2017

*Achievements/Tasks*

- Created lesson plans every week for the specific data-structures or algorithms and hosted open discussion tutorials to engage students into solving problems.
- Provided guidance to undergraduate students for course assignments by answering questions and debugging code, resulting in students achieving higher marks on assignments.
- Explained difficult concepts for different data structures clearly and concisely by creating easy to follow examples which increased students marks by an average of ~6%.

## TECHNICAL SKILLS

Python: Advanced

Java: Advanced

C: Intermediate

GIT, SVN: Advanced

Node.js, Javascript: Intermediate

SQL: Intermediate

Bash Scripting: Intermediate

## PERSONAL PROJECTS

### **UofTMatchmaker (01/2018 – Present)**

- Created a web application using the M.E.A.N stack that allows students to match and meet with other students at University of Toronto.
- Used Cloudinary API and mongoDB to implement picture uploading along with picture storage.
- Implemented secure account/login authentication on front and backend, simplistic matching algorithm to match users, and custom REST API to access or update account information.

### **Warehouse Wars (01/2017 – 06/2017)**

- Developed a multiplayer Indie game from scratch using an object oriented design and languages/frameworks such as HTML, CSS, Express, Node.js and AJAX.
- Implemented real-time multiplayer using websockets and many niche features such as live scoreboard, login system, difficulty randomizer, and simplistic monster AI.

### **JShell (09/2016 – 02/2017)**

- Programmed basic Unix shell in Java from scratch which supported a variety of Linux commands to call within a virtual file system. JShell handled directory creating and traversing, text file creation and modification
- Collaborated with fellow students using Subversion through the Eclipse IDE, following the scrum development process to complete each sprint (implementing a shell command or file system feature) on schedule
- Created and performed white-box/black-box unit testing with Junit which allowed the team to detect bugs before delivering new changes and prevent merge problems

## EDUCATION

### **Computer Science Specialist**

University of Toronto

09/2014 – 05/2019

*Expected Graduation May 2019*