Arjun Sharma

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SKILLS

PROGRAMMING

Proficient:
- Python
- HTML, CSS, JavaScript
- Java
- SQL
- MongoDB
- Bash Scripting
- Linux

Familiar:
- C
- Docker
- S3, EC2, AWS Lambda
- Redis
- Assembly

AREAS OF INTEREST

- Game Hacking
- Information Security
- Distributed Systems

LINKS

Github:// **arjun-sharma1**
LinkedIn:// **arjun-sharma1**
Website:// **arjun-sharma.com**

EDUCATION

UNIVERSITY OF TORONTO

BSc in Computer Science
2014 - 2019

COURSEWORK

COMPLETE

Operating Systems
Artificial Intelligence
Information Security 1 & 2
Algorithm Design and Analysis
Machine Learning and Data Mining
Scalable and Distributed Computing

EXPERIENCE

NFERENCE | Software Engineer

May 2019 – Present | Toronto, ON
- Developed the front-end and back-end for a suite of web apps using React, Mongo, Node.js and GraphQL that are currently being used by top Pharma companies and American research hospitals.
- Created scripts in Python to extract relations, and entities from a text corpus by constructing predefined rules and validating the extracted entities using trained ML models.
- Crawled, cleaned and curated data into a specific form to ensure that the internal ML models work flawlessly, and stored it into a database.

IBM | WebSphere Cloud Developer Intern

Jan 2018 – Aug 2018 | Markham, ON
- Worked with the W.A.S Analytics Team to implement performance fixes for Websphere Liberty in Java such as caching fields, multi-threading, and improved memory management for a JSON Logging feature which improved log parsing by 22%.
- Contributed to the creation and development of new automated JUnit tests for the JSON logging feature in WebSphere Liberty.
- All code was thoroughly reviewed, perfected, and pushed to production.

IBM | Software Engineering Intern

May 2017 – Dec 2017 | Markham, ON
- Developed multiple internal tools in Java and Python 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.
- Revamped internal IBM ride-share web application for interns which received over 50 signups using React, Express, MongoDB and Node.js.

PROJECTS

KIJIJI AD REPOST CHROME EXTENSION May 2020 – June 2020
- Created a Chrome extension that allows users to repost their listings . Primarily used Javascript, HTML, CSS for the front end and NodeJS-Express for the backend to scrape ad information.

REDDIT /R/PLACE Sept 2018 – Dec 2018
- Recreated /r/place where users are allowed to periodically place pixels on a canvas to form art. Horizontally scalable and handles large requests. Used AWS for scalability and built application using Javascript and Node.js.

EMOTIONAL BOOK READER Mar 2018 – Aug 2018
- Worked with a team of 3 to create a text to speech web application that analyzes a sentence and changes the pitch, frequency or tone based on the context of the sentence. Used IBM Watson API, Python, React, JS.

JSHELL Jan 2016 – May 2016
- Programmed a basic Unix shell in Java with Object Oriented Programming paradigms which supports Linux commands to call within a virtual file system. JShell handled directory creating, traversing, file creation and modification along with a variety of commands.