

Steven Fang

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I am an Automation and Software Developer, currently living in Toronto, ON, Canada. I have a Bachelors of Science in Computer Science from Carleton University. My primary focus and inspiration for my studies is full-stack and web development.

EXPERIENCE

Department of National Defence

Data Analyst

05/19 - 08/19

- Worked in a small team of 3 developers to improve and optimize the way the technical solution the client desired.
- Developed code to classify and re-organize data in a database for clients, improving overall quality and accuracy of deliverables.
- Developed and used supervised and unsupervised machine learning algorithms in Python to predict, cluster, and classify the database of entries of information made by troops in order to improve the accuracy of predictions and decisions reoccurring.
- Developed code to clean data of noise, feature extraction on text-based data, and data manipulation for analysis.

Tata Consultancy Services

Software Developer

02/21 - Present

- Led and delivered several feature projects for the RBC application environment that enhanced the customer experience by improving performance, stability and security as a quality engineer lead.
- Monitored testing scripts for key features of RBC mobile application to ensure testing workflows supported key RBC business needs.
- Worked with a small agile group to develop a banking web application developed in Java.
- Handled and reviewed team members git pull requests and contributed to on-going development of internal tools.
- Bridged communication gaps between off-shore and on-shore members for smooth delivery of services, leading to improved employee satisfaction and retention.
- Created and maintained automation scripts for testing before their release in production to further streamline the onboarding process and increase the quality of new features and services.
- Implemented solutions to the common automation framework, such as the support to the deployment of the infrastructure and application environment thru different methods such as the automation framework and cloud environment.

SKILLS

Languages C++, CSS, HTML, Java, Javascript, Python, Ruby, SQL, C, C#, Ruby on Rails, Scala

databases PostgreSQL, NoSQL, MySQL

EDUCATION

Bachelor of Computer Science Major, Carleton University

09/15 - 12/19

PROJECTS

Genshin Impact Website

02/22 - Present

A website where users can provide feedback on certain characters and see others feedback

- Built a full-stack web application allows users to make guides, rate and post reviews of game characters, share characters with other users, and send characters guides to a server-side component that synchronizes character data to a separate guide data.
- Built on Ruby on Rails, ReactJS, and Javascript frameworks to improve overall functionality and experience. Using Postgres as a backend database system, also able to create, update and store data.
- Styled the website with bootstrap and custom css to ensure a clean and intuitive user experience.

League of Legends Website

11/20 - 01/21

A website that lets you view previous game matches of certain accounts on the game League of Legends

- Built on Ruby on Rails, JavaScript, HTML, and MySQL. Used various REST API 's to communicate with Riot Games' third party platforms to retrieve and parse data.
- Users are able to view past matches and statistics and see how well they've played against opponents. The backend calls Riot Developer Portal API to retrieve player and game statistics. The backend parses the data and presents it to users in an easy to use and attractive format.