Sasha Bagayatkar

5B Mathematics and Business Administration with Computer Science • University of Waterloo• graduating May 2020
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https://github.com/sash1996/sash1996.github.io

Summary of Skills

- **Languages: Python, Ruby, C, C++, VisualForce, Apex, Java, JavaScript, VBA, VBScript, HTML, CSS, Bash, Racket**
- **Experienced in Object-Oriented Programming, Meta Programming, HTTP requests, AGILE and CI software development with clean and efficient code**
- **Tools, Frameworks and Databases: JQuery, ReactJS, Git, XCode, SQL, Linux, Bootstrap, UFT, Visual Studio, RestAPI, Salesforce, OAuth 2.0, Powershell, Windows AD, wxPython**
- Highly motivated with excellent leadership, communication and decision-making skills
- Innovative problem solver who has the ability to resolve challenges quickly and under pressure

Work Experience

Software Developer
Thales Canada, Toronto   January 2019 – August 2019
- Built a custom Notepad++ IDE with windows applications with graphical interfaces embedded into Notepad++ functionality using wxPython.
- Fixed bugs in our Simulations software application that worked on Windows using C++ and Windows Programming.
- Worked with analysts and testers to create tools and applications with a user-friendly interfaces that automated processes predominantly using Ruby and Python.

Software Developer
Regional Municipality of York, Newmarket   January 2018 – April 2018
- Built webpages and components for York region on the Salesforce suite with apex for backend and visualforce for frontend using the Lightning Design System
- Created Powershell applications to transfer data between Metadata and Rest APIs, Windows Active Directory etc., using http requests and OAuth 2.0 protocol.
- Did regular maintenance of the site by fixing bugs and adding new features as per business requirements.
- Worked closely with a Business Analyst to gather specifications for new features and implemented them into the website.

Software Developer
Thales Canada, Toronto   January 2017 – April 2017
- Worked in the tools and Simulations team which focused on research and experimentation.
- Developed a user friendly data extraction and manipulation software in Ruby that reduced time taken for testing train simulations from hours to minutes.
- Learnt Ruby and began implementation in the span of 3 days.
- Fixed bugs in our Simulations software application that worked on Windows using C++ and Windows Programming.

QA Analyst
The Cooperators, Guelph   January 2016 – April 2016
- Worked as a part of a team in AGILE software development with regular sprints and scrums to monitor our work
- Programmed intensively with VBScript to update our UFT tool to link with the datasheets
- Was responsible for reporting any JIRAs onto the database and maintaining cross-department communication with a Business Analyst to monitor discrepancies
- Utilized VBA to run macros in MS Excel and used SQL to gather data from our database

Junior Accounts Manager
Young Entrepreneurs in Toronto, Toronto   June 2015 - August 2015

Education

Candidate for Bachelor of Mathematics with minor in Computer Science   September 2014 – Present
University of Waterloo, Waterloo, ON
- **Developed multiple compilers in C++ to compile MIPS and WLP4 (C based language)**
- **Developed a Chess and Chamber Crawler (Dungeons and Dragons) game using C++ in a Linux environment with a graphic interface for chess**
- **Utilized several design patterns such as MVC, Visitor, Decorator and Factory to ensure code is flexible**

Candidate for Bachelor of Business Administration   September 2014 – Present
Wilfrid Laurier University, Waterloo, ON

Activities and Achievements

- **Working on developing an E-Commerce Website**
- **Created my own personal website: sashabagayatkar.com which uses analytics to monitor audience**
- **Created a personal blog website for an architect**