ALYSSA SONG

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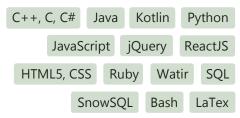github.com/alyssa-song
linkedin.com/in/alyssa-song

SKILLS

- Diligent and responsible, shown through consistently high academic standing (3.9 GPA)
- Ability to thrive under pressure due to strong organization and time management skills
- Experience with C++, C, Bash, Python and Kotlin through course work

LANGUAGES

C++, C, C# | Java | Kotlin | Python
JavaScript | jQuery | ReactJS
HTML5, CSS | Ruby | Watir | SQL
SnowSQL | Bash | LaTex

OTHER TOOLS

Android Studio | IntelliJ IDEA
SSMS | Visual Studio | ASP.NET
Jenkins | Git, Perforce | Appium
Cucumber | NUnit | Confluence, Jira
Google API | Tableau

EDUCATION

Bachelor of Computer Science, Honours, Co-op [3B]
UNIVERSITY OF WATERLOO
09/2019 - 04/2024 (expected)

RELEVANT COURSES: AI, Optimization, UI, Operating Systems, Algorithms, Data Structures, Object-Oriented Software Development

WORK EXPERIENCE

UNIVERSITY OF WATERLOO *05/2022 – present*
UNDERGRADUATE RESEARCH ASSISTANT | PART-TIME

- Conducted research for a survey paper on explainable AI in the domain of security through summarizing papers and editing drafts

GENESYS *01/2022 – 04/2022*
SOFTWARE DEVELOPER INTERN | REMOTE

- Developed and maintained the Development Business Analytics Data Warehouse as a part of the Product Delivery team
- Independently designed and implemented two ETL modules integrating data from Snowflake and Google Sheets into the data warehouse hosted on SQL server using C#, SQL, SnowSQL and Google Sheets API
- Experimented with training a LSTM artificial neural network to forecast future project scope and timelines using Keras, Python and C#

INTELEX TECHNOLOGIES ULC *05/2021 – 08/2021*
SOFTWARE DEVELOPER | REMOTE

- Developed new features improving user experience for over 1400 clients on the Intelex V6 platform, an ASP.NET web application, using C#, HTML, JavaScript and SQL
- Fixed bugs with tools such as Visual Studio Debugger, Microsoft SQL Server Management Studio and SQL Server Profiler
- Wrote unit and automated UI tests using NUnit and C#

AXSIUM GROUP *09/2020 – 12/2020*
ASSOCIATE SOLUTIONS DEVELOPER | REMOTE

- Independently developed, executed and analyzed results of automated tests for a web application (Cucumber, Watir and Ruby) and a cross-platform mobile app (Appium and Java)
- Implemented a new calendar feature used by all clients across an ASP.NET web application with jQuery and SQL

PROJECTS

Hack the North | HACKATHON *01/2021*

- Created a Discord bot that analyzes positive and negative sentiments in messages
- Independently created a website displaying analyzed data in graphs that update in real time with ReactJS, Chart.js and axios HTTP client

Personal Website | PROJECT *12/2020*

- Built a website from scratch using HTML, CSS and JavaScript hosted on GitHub (alyssa-song.github.io)

Android Planner App | PROJECT *06/2019*

- Developed a simple planner app that helps students stay focused and set goals using Android Studios and Java