

Samta Priya Jain

Computer Science | spjain.ca | spjain@uwaterloo.ca | 647 860 5622

SKILLS

Languages: JavaScript, C++, Java, Python, C#, C, HTML, CSS, SQL

Technologies: React, React Native, Node.js, GraphQL, Appium, Cucumber, JMVC

Tools: Git, Unix, Jenkins, JIRA, XCode, Android Studio, Unity

EDUCATION

University of Waterloo | Honours Computer Science Co-op

Bachelor of Computer Science, Sept. 2018 - April 2023

EXPERIENCE

Meta | Software Engineer Intern

Sept 2022 - Dec 2022

Microsoft | Software Engineer Intern

May 2022 - July 2022

- Increased security in Edge browser by improving data protection reliability using **C++**, **WinRT**, and data encoding in Chromium
- Designed and implemented encryption utility leveraging **Windows Hello biometrics** via the Personal Data Encryption API
- Improved data integrity and availability by persisting encryption keys between secure logins and protecting saved data

Meta | Software Engineer Intern

Sept 2021 - Dec 2021

- Developed and launched keyword search for Saved Items using React Native and GraphQL to **5% of mobile users**
- Implemented pagination using Relay to sustain **reliable load performance** independent of amount of available data
- Integrated search bar in Saved navbar using Kotlin, Java, Hack, and Objective C

Intelix Technologies | Mobile Software Development Intern

Jan - Apr 2020 | Sept - Dec 2020

- Improved mobile app's image processing by implementing image decoding, type conversion and resizing using **React Native**, **Java**, and **Objective C**
- Developed interface of **mobile e-signature** feature and added user paths for cohesive experience
- Conducted research and presented recommendations on implementing **universal links** on iOS devices
- Reduced feature BDD testing time by **10%** by improving test scalability and reducing redundancies using Cucumber
- Improved UI and state handling of mobile QR code login for iOS and Android apps
- Collaborated to migrate mobile app automation suite to Appium

Veeva Systems | Software Engineering Intern

May 2019 - Aug 2019

- Launched product demo using **React**, integrating search and data management widgets to fetch live updates from API
- Implemented data customizability on dynamic graph visualization used **9100+** times monthly, using **JMVC**, **EJS**, **Sass**, **D3**
- Developed interface of interactive force-directed graph widget that visualizes complex relationships using **Polymer**, **D3**

WatLock | Software Lead

Oct 2018 - Jan 2021

- Led SEDRA design team of 52 members to engineer airlock for Mars colony in international competition finals
- Directed projects to build UI for astronaut interface and construct server communication methods using **Arduino and C**

PROJECTS

Flock

- Won **Best Use Of CockroachDB** for film matching app built using **React Native** and **Express.js** at Hack The North 2020++

Forest Fire Damage Predictor

- Used **Python** to apply machine learning regression Random Forest, predicts amount of land damaged with **95.08%** accuracy