

Scarlet Nguyen

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Programming Language Proficiency: Javascript, Scala, Java, Python, Racket

Tool Proficiency: React, React Native, Firebase, NodeJS, MongoDB

Software Methodology Proficiency: Agile/SCRUM

Version Control Proficiency: Git, Github

EDUCATION

University of British Columbia (UBC) - BSc

Sept 2019 - June 2023

EXPERIENCE

[Hootsuite - High School Software Developer Intern](#)

June 2019 - August 2019

- Implemented banners for Facebook Public Launch using React v.16.9
- Worked on Scala microservices and API endpoints for @mention feature in Inbox
- Database Improvement: restructured the double-storing message data and saved ~125-150 GB of memory in the database
- Solved 3 customer-impact bugs that significantly improved the SLOs by over 20%
- Refactored 714 performance and code style errors in GraphQL in the duration of my last 2 days

[Hootsuite - High School Software Developer Intern](#)

July 2018 - September 2018

- First female being accepted since the program first started in the last 4 years
- First student being offered an extended internship as a part-time position
- Designed and developed an internationalization service from scratch using Scala and Play framework
- Threaded user data parameters and unified data storage among objects in GraphQL
- Developed a new repo managing the user's data and API calls to SCUM (Social Communication Service)
- Performance Improvement: implemented the Proxy pattern and two types of cache (in-memory and decentralized)

[Woman In Tech World \(WiTWorld\) Intern](#)

June 2017 - July 2018

- Held multiple roles: recruiter, content-marketer, resources-manager and events organizer
- Contacted and interviewed potential candidates, then guided them throughout the onboarding process
- Contacted to more than 100 companies in Canada to advertise the organization's missions and upcoming events
- Compiled a full list of more than 200 worldwide universities' contact and quality content resources

- Managed simultaneously 24 Picatic event pages and volunteers for those events

ACHIEVEMENTS

1st Place School Programming Team Challenge 2018 - Tech Lead

- Managed a team of 10 novices given an unknown programming problem

1st Place InnoHacks 2018

- Established an embodying campaign focused on spreading oral health by educating rural Bolivian communities
- Created and distributed sustainable hygiene supply package through recycled plastic waste material 3D printers

1st Place Women in Tech Activation Hackathon 2018 - Tech Lead

- Prototyped a platform that helps high school students connect with professional mentors in different industries based on matching interests
- Managed a team of 6 adults

COURSES

- | | |
|------------------------------------|----------------------------------|
| • Harvard CS50 | • IB Computer Science curriculum |
| • University of Washington CSE 142 | • UBC Software Development |
| • AP Computer Science A | • Micromasters |

PROJECTS

Bulldog Software - Churchill School App

March 2019 - July 2019

- Usage: my secondary school needed a general-communication app for all parties such as the school administrators, teachers, students and parents
- App components: a complex system composed of 3 parts:
 - An agenda app for students built with React Native and Firebase
 - A notification sender website for the counselors and school administrators built with Node.js and Express.js
 - A built-in Microsoft Outlook API's course planning website for teachers

Vocalory - Hack The North

September 2018

- A full-stack web application built with OpenCV that converts real images to B&W outline drawings
- Users then can color the final drawings by singing, different tones resulting in different unique color patterns

Teacher Distributed Schedule System - Churchill Software Team

January 2018 - March 2018

- A pure Python program that distributes shifts among staffs and teachers based on different allocations and employment contracts
- Worked in a team of 7 high school students and 1 supervising teacher