

# Richard Ni

## EDUCATION

### MCGILL UNIVERSITY

B.Sc IN COMPUTER SCIENCE AND  
BIOLOGY

Expected December 2019 | Montreal,  
QC

## LINKS

Github:// [dxy159](#)

LinkedIn:// [richard-ni](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating Systems  
Functional Programming  
Discrete Mathematics

## PROGRAMMING SKILLS

### PROFICIENT

Java • JavaScript • Node.js • Obj-C (iOS)

### HAVE USED

SQL • MongoDB • JQuery • Python •  
HTML5 • CSS • PHP • Bash • C • C++ •  
Swift • React.js • OCaml

### FAMILIAR TOOLS

Git • FlowType • Buck • Sublime Text •  
ITerm • XCode • Visual Studio Code •  
IntelliJ • Eclipse

## LANGUAGES

English (Fluent)  
Mandarin (Fluent)  
French (Limited Proficiency)

## INTERESTS

Hackathons  
Machine Learning  
Cooking  
Volleyball  
Travel

## HACKATHONS

HackTheNorth (2016, 2017)  
HackHarvard (2016)  
HackPrinceton (2017)  
McHacks (2017)

## EXPERIENCE

### UBER | SOFTWARE ENGINEERING INTERN

Summer 2018 | San Francisco, CA

- Worked full stuck on the Maps Places Platform team working mainly with React/Redux and Java.
- Independently developed a history page of all the edits made to places, which is largely used by operators, developers, and other Maps teams.
- Redesigned the Places Hub web page theme and made UI enhancements to create a better user experience.

### GOOGLE | SOFTWARE ENGINEERING INTERN

Winter 2018 | Montreal, QC

- Worked on performance of Chrome Metrics Dashboards, working in JavaScript, Python, and SQL.
- Independently improved histogram loading speed by over 20% by implementing various caching mechanisms.
- Built a UI to easily visualize executing queries.

### BLACKBERRY | SOFTWARE ENGINEERING INTERN

Summer 2017 | Waterloo, ON

- Contributed to Workspaces on the iOS platform working in Objective-C
- Also worked on both back-end and front-end development on various mobile platforms using Python and C++.

## PERSONAL PROJECTS

### FACEQR

September 2017

- Technologies: Node.js, Swift, XCode, Microsoft Azure
- iOS camera app that allows users to "creep" other users by identifying faces and stores profile info that links to user's social media accounts

### VOIL

April 2017

- Technologies: Node.js, React.js, MongoDB, HTML, CSS
- A chrome extension that allows users to control browser functions using voice commands.

### RICHARDBOT

December 2016

- Technologies: Node.js, JQuery
- A messenger bot that can report weather information and NBA statistics through web-scraping.

## AWARDS/ACHIEVEMENTS

### MCGILL'S CODE JAM HACKATHON | 2ND PLACE

- Led my team to 2nd place in a pool of over 150 computer science students and won over \$100 in cash prizes

### LINDSAY COOK ENTRANCE SCHOLARSHIP | MCGILL UNIVERSITY

- Awarded to one student who demonstrated outstanding academic performance and excellent leadership within the school community