

Oscar Wong

SOFTWARE ENGINEERING INTERN AT MICROSOFT · SEEKING 2021 SOFTWARE ENGINEERING INTERNSHIPS

Calgary, Canada

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Education

University of Calgary

B.S. IN SOFTWARE ENGINEERING

Calgary, Canada

Sept. 2017 - May 2022

- **GPA: 3.95/4.0, Dean's List (2017-2019)**

- Relevant Courses: Data Structures and Algorithms, Object-Oriented Design, Operating Systems, Databases, Networks, Software Architecture.

Work Experience

Microsoft

SOFTWARE ENGINEER INTERN

Redmond, WA

May 2020 - Present

- Designed and built a bot detection system for MSN using **C#, HTML, CSS**, and **Azure CosmosDB**.
- Developed a service that processes and aggregates data on over 15,000 bots per hour.

Microsoft

SOFTWARE ENGINEER AND PROGRAM MANAGER INTERN

Redmond, WA

May 2019 - Aug. 2019

- Designed and built features for a Microsoft News Developer API showcase using **React**.
- Refactored the code that retrieves categories from the API, reducing calls to that API endpoint by 50%.

Critical Mass

SOFTWARE DEVELOPER INTERN

Calgary, Canada

May 2018 - Aug. 2018

- Designed and built a TV content management system using **Vue.js** and **Google Cloud Firestore**.
- Built an API updates the TVs as content changes, removing the need to manually refresh the TVs.
- Implemented an on-demand weather querying service in **Vue.js**, eliminating redundant weather API calls.

Projects

CrashChannel: <https://github.com/oscarwong67/CrashChannel>

CalgaryHacks 2019

TEAM LEAD (PYTHON, TENSORFLOW, FLASK, VUE.JS, GOOGLE CLOUD FIRESTORE)

- A web app that uses machine learning to recognize traffic camera images of car crashes, as they happen.
- Built at CalgaryHacks, where I led the team and worked on a **Vue.js** frontend and a **Python** REST API.

Doodl: <https://github.com/oscarwong67/doodl>

PERSONAL PROJECT (NODE.JS, REACT, WEBSOCKETS)

- A multiplayer drawing game where players are assigned a word to draw, while other players race to guess it.

CoffeeSpots: <https://koffe.surge.sh>

PERSONAL PROJECT (REACT)

- A responsive web app that helps users find coffee shops using Google Maps/Places APIs.

Skills

Languages Python, JavaScript, Java, HTML, CSS, C#, C/C++

Frameworks and Technologies React, Node.js, Vue.js, Git, Unix/Linux

Honors & Awards

2017-2020 **Seymour Schulich Academic Excellence Scholarship**, renewed based on a 3.7+ GPA.

2019 **Louise McKinney Academic Merit Scholarship**, awarded as a top student in Alberta.

2017 **Governor-General's Academic Medal**, for top high school students in Canada.