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## COMPUTER SCIENCE

[View Summary Resume](#)

### SKILLS

*Programming Languages:* C, C++, Go, SQL, Bash, Java, VBA, HTML, CSS, R

*Operating Systems:* Windows, Mac OS, Linux

*Project Management:* Git, Jira, Slack, Phabricator

*Tools:* Redis, Android Studio, Unity, Adobe Photoshop & Dreamweaver

*Languages:* English, French, Punjabi

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## EDUCATION

**Candidate for Bachelor of Computer Science with French Minor (Co-op), 2022**

UNIVERSITY OF WATERLOO — Waterloo, Ontario

*Expected April 2022*

### *Relevant Courses:*

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|--|--|
| ~ Foundations of Sequential Programs               | ~ Designing Functional Programs            |
| ~ Data Structures and Data Management              | ~ Introduction to Combinatorics            |
| ~ Computer Organization and Design                 | ~ Algebra for Honours Mathematics          |
| ~ Object-Oriented Software Development             | ~ Calculus 1 & 2 for Honours Mathematics   |
| ~ Logic and Computation                            | ~ Linear Algebra 1 for Honours Mathematics |
| ~ Elementary Algorithm Design and Data Abstraction | ~ Probability                              |
|  | ~ Statistics                               |

## WORK EXPERIENCE

UBER, San Francisco, California  
Customer Obsession Team

### Software Engineering Intern

May – Aug 2019

*In my latest position, I worked on the Customer Obsession team at Uber, which focuses on the support section of the app. I worked on a major production issue that the team was facing. I took on a backend engineering role and learned a new programming language, Golang. I also participated in weekly meetings with senior software engineers and other stakeholders to discuss my solution to the problem. By the end of the internship I was able to deploy my code to production successfully and even support a new production project for the last two weeks.*

- Programmed in **Go** to implement new data structures and methods to existing code repository
- Participated in biweekly stand-up meetings with engineering managers to discuss solution
- Collaborated with diverse team to design efficient solution while maintaining best practices
- Conducted extensive **testing** for code to maintain overall coverage of 90%+
- Leveraged Uber internal tools to create **frontend** dashboard for team to view
- Scheduled meetings with relevant internal stakeholders to present project progress
- Presented detailed solution in **code review meetings**
- Deployed code to **production** and rolled out newly implemented features
- Managed weekly tasks using **Jira** and updated project development on storyboard

#### Notable Projects:

- Implemented blackhole detection dashboard to display incoming and outgoing rates of help tickets, and highlight tickets that are not being routed to corresponding customer service representatives
- Implemented distributed locking system to solve problem of dry queues, in which tickets are not being properly routed to customer service agents
- Implemented debug endpoint to show status of router when production issues occur

ADECCO EMPLOYMENT SERVICES, Mississauga, Ontario  
Recruitment Team

### Recruitment Administrator

Jun – Aug 2017

*In my first job, I began as an administrative assistant and got promoted to a recruitment administrator in less than 3 months. My duties began with filing and organizing resumes. In just a few weeks I was tasked with covering the reception desk, booking appointments and pre-screening candidates over the phone. I also began shadowing recruiters and interviewing candidates.*

- Implemented new filing system for organizing resumes by skill set
- Held position of receptionist to answer calls, schedule meetings, speak with walk-in candidates
- Pre-screened over 500 candidates on the phone
- Read through over 1000 resumes and matched suitable candidates to open job positions
- Participated in department meetings to fill job openings from clients

## PROJECT PORTFOLIO

### Twitter Sentiment Analysis Website

July 2019

- Worked in group of 3 during 24-hour Yuuvis hackathon in San Francisco
- Created website using **HTML & CSS** to monitor tweets about companies
- Implemented search bar and graphs of statistics for companies to view
- Utilized **Twitter API** and **sentiment analysis** to determine if tweets are positive or negative

### Chess Game

Apr 2019

- Designed and implemented chess in a group of 3 using **C++**
- Implemented observer pattern to organize code and follow software design principles
- Programmed extra features including human vs computer game
- Monitors illegal moves and captures pieces based on standard rules of chess

### Virtual Reality App

Sep 2018

- Led a team of 3 during 36 hour Hack the North hackathon
- Created **virtual reality app** with calming environments for students to reduce anxiety
- Utilized **Unity** to design virtual environment and **Android Studio** to design app interface
- Tested sections of code before integrating with **Git**

### Personal Website

Aug 2017

- Created a personal website and hosted it on **Github** using **HTML & CSS** to organize and showcase experiences
- Utilized a bootstrap design to create an easy to follow, intuitive interface

### Home Appliances Database

Sep 2015 – Mar 2016

- Designed relational **database** of home appliances in Microsoft Access
- Created for parents to maintain records of appliances including warranty, model, serial number, price and date of purchase
- Programmed macros in **SQL** for data entry forms and designed user interface features including buttons & main menu

### Matching Memory Game

Feb – Apr 2015

- Designed game using **Java** as a brain exercise for memory loss
- Integrated and tested game on end users including friends and family
- Created main menu, difficulty selection, multiple levels & score tracking with aesthetic user-friendly design

## **AWARDS & SCHOLARSHIPS**

UNIVERSITY OF WATERLOO, Waterloo, Ontario

### **President's Scholarship**

Aug 2017

- Received entrance scholarship for 90%+ admission average from high school

ROYAL CANADIAN AIR CADETS, Caledon, Ontario

### **Air Cadets Long Service Medal**

Oct 2016

- Received for six years of active involvement in the Air Cadets organization as a Warrant Officer Second Class, instructor & flight commander

## **EXTRA-CURRICULARS**

AIR CADETS, Caledon, Ontario

### **Warrant Officer Second Class**

Sep 2010 – Jun 2017

- Commanded 120 cadets in drill ceremonies & community events
- Instructed classes of 30 cadets on aviation, communication & leadership
- Awarded Long Service Medal in 2016 for 5+ years of service