

# Jyoti Grewal

Senior (4B) Computer Science  
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## EDUCATION

**UNIVERSITY OF WATERLOO**  
BACHELOR OF COMPUTER SCIENCE  
WITH FRENCH MINOR  
Expected Apr 2022 | Waterloo, ON  
President's Scholarship

## SKILLS

### PROGRAMMING LANGUAGES

C • C++ • C# • Go • Python  
Bash • Java • SQL • VBA • HTML  
CSS • R • Javascript • React

### OPERATING SYSTEMS

Windows • Mac OS • Linux

### PROJECT MANAGEMENT

Git • Jira • Slack • Phabricator

### TOOLS

Redis • Android Studio • Unity  
Grafana • Adobe Photoshop &  
Dreamweaver • Postman/Newman

### LANGUAGES

English • French • Punjabi

## COURSEWORK

- Data Structures & Data Management
- Computer Security & Privacy
- Operating Systems
- Object-Oriented Software Development
- Algorithm Design & Data Abstraction
- Statistics & Probability
- Computer Networks

## INTERESTS

- 🏀 Basketball
- 🏸 Squash
- 🎬 Movies
- 🧩 Board Games
- ✈️ Travelling

## WORK EXPERIENCE

[View Full CV](#)

### UBER | SOFTWARE ENGINEERING INTERN

May - Dec 2021 | San Francisco, CA

- Worked on various projects for Business Intelligence team, programmed in Python and Go
- Implemented caching system for internal query system to improve performance and efficiency of queueing algorithm
- Surfaced platform for users to manage queries through UI

### UNITY | SOFTWARE DEVELOPER INTERN

Aug - Dec 2020 | Vancouver, BC

- Worked on Automation team to build tools for confidential project
- Wrote multiple REST APIs and scripted in Postman and Jenkins
- Created front-end dashboards using React and HTML

### UBER | SOFTWARE ENGINEERING INTERN

Jan - Apr 2020 | San Francisco, CA

- Worked on Business Intelligence team to design new scalable, efficient priority queuing algorithm for internal service that runs queries on data
- Autonomously determined new requirements, designed algorithm options, led design meetings and implemented new system in Go
- Designed round robin and multilevel queueing algorithms as options
- Wrote Bash scripts to perform load testing on new system

### UBER | SOFTWARE ENGINEERING INTERN

May - Aug 2019 | San Francisco, CA

- Worked on Customer Obsession team to route help tickets
- Conducted extensive testing for code to maintain coverage of 90%+
- Presented detailed solution in code review meetings, programmed in Go

## PROJECTS

[View Full Portfolio](#)

### TWITTER SENTIMENT ANALYSIS WEBSITE | Jul 2019

- 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 categorize tweets

### VIRTUAL REALITY APP | Sep 2018

- Led a team of 3 during 36 hour Hack the North hackathon
- Created calming environments for students to reduce anxiety
- Utilized Unity and Android Studio to design app interface

## EXTRA CURRICULARS

### AIR CADETS | Sep 2010 - Jun 2017 | Caledon, ON

#### RANK OF WARRANT OFFICER SECOND CLASS

- Commanded 120 cadets in drill ceremonies & community events