

Jyoti Grewal

Senior (4A) 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++ • Go • Bash • Java • SQL
VBA • HTML • CSS • R

OPERATING SYSTEMS

Windows • Mac OS • Linux

PROJECT MANAGEMENT

Git • Jira • Slack • Phabricator

TOOLS

Redis • Android Studio • Unity
Grafana • Adobe Photoshop &
Dreamweaver

LANGUAGES

English • French • Punjabi

COURSEWORK

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

INTERESTS

🏀 Basketball
🏸 Squash
🎬 Movies
🎲 Board Games
✈ Travelling

WORK EXPERIENCE

[View Full CV](#)

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
- Developed implementation schedule with milestones, tracked in Jira
- 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 using vast code base, programmed in Go
- Conducted extensive testing for code to maintain coverage of 90%+
- Presented detailed solution in code review meetings
- Managed tasks using Jira & updated project development on storyboard

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 determine if tweets are positive or negative

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
- Tested sections of code before integrating with Git

HOME APPLIANCES DATABASE | Sep 2015 – Mar 2016

- Created for parents to maintain records of appliances
- 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
- Created main menu, difficulty selection, multiple levels & score tracking with aesthetic user-friendly design

EXTRA CURRICULARS

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

RANK OF WARRANT OFFICER SECOND CLASS

- Commanded 120 cadets in drill ceremonies & community events