Jyoti Grewal

3A 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 • 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

COURSEWORK

- Foundations of Sequential Programs
- Data Structures & Data Management
- Computer Organization & Design
- Object-Oriented Software Development
- Algorithm Design & Data Abstraction
- Statistics & Probability

INTERESTS

- Basketball
- Squash
- Movies
- Board Games
- Travelling

WORK EXPERIENCE

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

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 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

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
- Tested game on end users including friends and family
- Created main menu, difficulty selection, multiple levels & score tracking with aesthetic user-friendly design

EXTRA CURRICULARS

AIR CADETS | Sep 2010 - Jun 2017 | Caledon, ON
WARRANT OFFICER SECOND CLASS

- 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