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

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 and tested multiple REST APIs with CRUD endpoints
- Scripted in Postman and Jenkins to create testing pipelines
- 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

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