Jyoti Grewal

Senior (4A) Computer Science
jyotipkgrewal@gmail.com | jyoti-grewal.github.io
LinkedIn://jyoti-grewal | +1 (647) 916-2314

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

UNITY | SOFTWARE DEVELOPER INTERN
Sept 2020 | Vancouver, BC

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

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

EXTRA CURRICULARS

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

- Commanded 120 cadets in drill ceremonies & community events