Kindeep Singh Kargil

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Education

Brock University   *St. Catharines, ON*
HONOURS, BACHELOR OF SCIENCE, COMPUTER SCIENCE (CO-OP)   *September 2017 - present*

- 3rd year, Academic average: 90%
- Dean's Honour List (2018 and 2019).

Skills

Languages   Kotlin, JavaScript, Java, C++, SQL, HTML, CSS, Bash
Tools   React, Android Development, Angular, Node.js, git

- English, Hindi and Punjabi - Strong communication skills.

Experience

Ontario Ministry of Transportation   *St. Catharines, ON*
JUNIOR DEVELOPER   *January 2020 - Present*

- [React] [git]
- Using React to work on 'Digital World', an internal application for hosting and attending educational events.
- Implementing features based on gamification principles to promote adoption, such as points and milestone badges.

Caribou Contests   *St. Catharines, ON*
SOFTWARE DEVELOPER CO-OP   *January 2019 - April 2019*

- [JavaScript] [git/GitHub] [PHP] [CSS] [MySQL]
- Developed 'Knot Editor', an interactive tool that allows you to easily draw Mathematical Knots (a subset of topology) almost as you would in 'paint' using JavaScript.
- Developed analytical features like finding the unknotting number, auto simplification.
- Developed a game where the objective is to untie a given knot using the same interface.
- Worked on other website features such as a page to send HTML formatted mass emails.

Projects

Treachery - Android Game
ACADEMIC PROJECT: MOBILE COMPUTING

- [Android] [Kotlin] [Firebase] *github.com/malikwas/treachery*
- An Android implementation of the board game 'Deception' which can be played amongst 4 or more players
- Implemented the project in Kotlin, used Firestore to manage and watch real time updates to the game state.
- Implemented a game chat and real time updates from player actions across all player devices.
- Currently working on a Web App for the same project using Angular to make it available on more devices.

Hello Neighbour - Android App   *University of Waterloo*
HACKATHON PROJECT: HACK THE NORTH 2019   *September 2019*

- [Android] [Java] [Firebase] *devpost.com/software/hello-neighbour*
- Developed an Android app which lets you put up digital posters in your neighbourhood , allowing you to request and provide help with tasks like lawn mowing, lifting heavy things etc.
- Implemented a fully functioning prototype including user accounts and real time posts with Firebase.

Reddit Video Generator
PERSONAL PROJECT

- [Python] *github.com/kargq/redditVideoGenerator*
- Effectively an automated YouTube channel, generates videos from popular subreddit threads.
- Threads are converted into an image montage of clips made up of text paired with text to speech audio, which is then rendered and uploaded to YouTube via the YouTube API.