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Tanzeela Khan

Technical Skills

Languages | Tools

-C/C++
-Java/Android Development
-Python
-Javascript
-HTML/CSS
-Git/Bash/Vim/Linux
-Node.js/Express/React
-Arduino/Logisim
-MongoDB
-Ruby on Rails/Postgres

Education

University of California, Los Angeles

B.S. Computer Science & Engineering
Class of 2019

Newark Memorial HS

Salutatorian, Class of 2015

Links

in /in/tanzeelakhan

○ /tanzeelak

Activites

-Daily Bruin, UCLA Radio
-ACM DevX, Creative Labs
-WATT (Women
Advancing through Tech
and Teamwork)

Coursework

-Data Structures & Algorithms
-Operating Systems
-Software Construction Laboratory
-Logic Design of Digital Systems
-Machine Organization/Assembly
-Physical Layers of the System
-Computer Network Fundamentals
-Computer Graphics
-Discrete Mathematics
-Linear Algebra

Experience

Let'sMeet | Software Engineer Intern | June 2017 - Aug 2017
-Android app for planning hangouts with friends.
-Built feature for suggesting multiple times and places for events.
-Designed and implemented new UI for creating events.
-Refactored codebase to increase readability and efficiency.

BruinSpeak | Front End Developer | March 2017 - Present
-Web app for UCLA students to make petitons and ask for funding.
-Developed frontend based on mockups and designed pages to improve UI.
-Ruby on Rails, Postgres, HTML, CSS, JS.

UCLA Radio | Full Stack Developer | Jan 2017 - Present
-Led team of four to develop Android app for online radio station.
-Made key technical decisions regarding project structure and libraries.
-Built schedules and DJ's pages using ucларadio API and added live streaming.
-Implemented Top Albums Page for website using React, Node.js, HTML, Sass.

Creative Labs | Developer | Jan 2017 - March 2017
-Synaesthetic.io: Audio Visualization developed using p5.js, WebGL, three.js.
-Controlled for roughness of sound using p5.js frequency spectrum.
-Calculated standard deviaton of overall frequency and analyzing stored data.

Selected Projects

Race the Music | Android | June 2017 - Aug 2017
-App plays songs corresponding to pace of the runner.
-Developed Music Player and incorporated BPM API.
-Implemented multithreading for Step Sensor and Media Player.

Reverie | Web | Jan 2017
-Web app that maps music and location to share with friends.
-Integrated Last.fm and Spotify APIs to pull recent songs.
-Used Spotify API to embed songs onto Esri map.
-Esri, Spotify, and Last.fm APIs. HTML, CSS, Jquery.

YelpCamp | Web | July 2016 - Aug 2016
-Website that allows users to review different camps around the world.
-Developed interface so users can login, review, create camps.
-MongoDB, Node.js, HTML, CSS, JS.

Hackathon Awards

Feed Me | Web Extension | Hack On The Hill 2017
-Awarded Best Web Hack.
-Built Chrome extension that shows recipes according to highlighted foods.
-Led team of four and developed script that generates recipe ingredients.
-Food2Fork API, Node.js, HTML, CSS, JS.

Fiat Lux | Arduino | IDEA Hacks 2017
-Awarded Best Use of TI Products & Presented at Women Engineering Luncheon.
-Device that tracks correct dance moves using an accelerometer and LEDs.
-Programmed Energia with TI CC3200 Launchpad to detect ranges of motion.