

FURHAN KHAN

@ fsk2pd@virginia.edu

h (703) 927-0158

a 12183 Paper Birch Lane,
Gainesville, VA 20155



<https://github.com/furhankhan12/>

TECHNICAL SKILLS

Python, Java, JavaScript, C/C++,
Bash, Django, UNIX/OSX, Sockets,
jFrame/Swing, junit, node.js, x86,
MySQL, PostgreSQL, PHP, RESTful
API, HTML/CSS, OOP, Data Structures
& Algorithms, Docker, Kafka, Elastic
Search, Travis_CI, Haproxy,
Selenium, Git, Sharepoint, Next.js,
React, MongoDB

EDUCATION

The University of Virginia

Charlottesville, VA • Winter 2020

Bachelor of Arts:

Computer Science • GPA: 3.03

- Minor in Economics

Other

- Volunteer for Code for Charlottesville
- Treasure Spreading Epilepsy Awareness (2016)

Website

<https://furhan-website.vercel.app>

PROFESSIONAL OBJECTIVE

To obtain a position related to computer science position focused on software engineering and/or product development.

WORK HISTORY

UVA - Undergraduate Research Assistant

Charlottesville, VA • 05/2019 - 07/2019

Helped develop/improve an existing cataloging application in collaboration with the anthropology department to catalog and map artifacts from various research sites. Worked largely on developing the front-end UI using bootstrap with JavaScript/Chart.js and updating an authentication system utilizing PHP and PostgreSQL.

7-Eleven Inc. - Assistant Manager

Manassas, VA • 04/2016 - 05/2020

Assisted in coordinating daily operations such as maintaining and forecasting inventory, implementing business strategies to attract new customers, and management of staff and external vendors.

PROJECTS

- Developed a market place web application for selling clothing that utilizes modern enterprise technologies such as Kafka, Elastic Search, Docker, Selenium, Travis CI, and Haproxy. **(Python/Django)**
- Developed a music visualizer using React that renders dynamic imagery by mapping the songs frequencies to html elements in real time using Mozilla's Web Audio API **(Javascript/React)**
- Developed my own personal website using Next.js that utilizes OpenWeather/Spotify API, Google Geocharts and a MongoDB database **(Javascript/Next.js)**
- Developed a Django web application that utilizes google authentication, geocoder, and maps API for students to post reviews and property listings of off-grounds housing **(Python/Django)**
- Developed a GPA calculator GUI utilizing JFrame that can calculate a person's GPA based on previously taken, current and anticipated courses. **(Java)**
- Developed a tiling algorithm that utilizes a maximal bipartite matching algorithm to find out whether it is possible to tile an image using 2x1 dominos **(Python)**

