

Imran Hossain

SOFTWARE ENGINEER · MASTER'S STUDENT

hello@imranh.org | 077 | imran3740

Highly motivated computer science professional with strong skills in programming. Proficient in Python, C#, and Java. Significant experience with Git, Linux, and shell scripting for UNIX-based systems. Excellent written documentation and teamwork skills.

Education

Case Western Reserve University

M.S. COMPUTER SCIENCE · GPA: 4.00/4.00

Cleveland, OH

Jan 2020 - May 2022

- Thesis in theoretical computer science, involving graph theory and random matrix theory
TITLE: "Graph Matrices under the Multivariate Setting"

Case Western Reserve University

B.S. COMPUTER SCIENCE · MAGNA CUM LAUDE · GPA: 3.89/4.00

Cleveland, OH

Aug 2017 - May 2021

- Relevant Coursework: Advanced Algorithms, Software Engineering, Machine Learning, Data Privacy, Programming Language Concepts, Computer Networks, Cryptography, Computer Vision, Graph Theory

Skills

Backend	Python w/ Flask, Java, Node.js
Frontend	JavaScript, React, HTML/CSS, Bootstrap, Android, Flutter/Dart, .NET/C#
Cloud	AWS, GCP, Serverless, Kubernetes
UNIX	Linux, Git, Vim, Bash/Fish, Awk, Coreutils, NixOS

Experience

Software Engineer

SAIC

Reston, VA

May 2020 - PRESENT

- Working under an Agile framework in an assigned team
- Created a serverless dynamic form webapp using AWS DynamoDB, Lambda, & API Gateway
- Currently developing a cloud-agnostic AI/data science platform stack leveraging multi-level security, containerization, & GPU compute

Research Assistant

CASE WESTERN RESERVE UNIVERSITY

Cleveland, OH

Jan 2018 - Dec 2020

- Worked with the Center for Computational Imaging and Personalized Diagnostics
- Ported radiomics feature descriptor (RADISTAT) from MATLAB to Python
- Publication** accepted at IEEE Journal of Biomedical and Health Informatics

Software Engineer

SHEIKH ZAYED INSTITUTE FOR SURGICAL INNOVATION

Washington, DC

Summer 2018, Summer 2019

- Developed an app for the Microsoft HoloLens to visualize ultrasound imaging in real-time in augmented reality
- Used Visual Studio, C#, and C++ to write apps
- Developed a cross-platform mobile app in Flutter to help anesthesiologists with dosing patient-controlled analgesic

IT Intern

SIDWELL FRIENDS SCHOOL

Washington, DC

Jul 2017 - Aug 2017

- Operated helpdesk and ticketing system
- Assisted in service and backend migration
- Managed school devices through JAMF
- Trained staff in technology use

1-on-1 Programming Tutor

SELF-EMPLOYED

Bethesda, MD

Jun 2016 - Aug 2016

- Tutored a rising high school freshman with no prior programming experience in C++
- Received positive evaluation from client
- Wrote and designed own curriculum and guide