




# Fahmid Kamal

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## EDUCATION

### New York University Tandon School of Engineering

B.S. in Computer Science | GPA: 3.90/4.00

Sep. 2017 - May. 2021

Brooklyn, New York

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Design and Analysis of Algorithms, Computer Architecture, Introduction to Databases, Introduction to Operating Systems, Programming Languages, Compilers, Unix System Programming, Introduction to Machine Learning, Linear Algebra and Differential Equations, Corporate Finance and Financial Markets

## EXPERIENCE

### Akuna Capital LLC.

C++ Development Intern

Jun 2020 - Aug. 2020

Chicago, Illinois

- Utilized eBPF to develop tooling to collect kernel-level events and emit them via structured data to Kafka in order to identify potential bottlenecks on Akuna's systems, particularly on their trading engines
- Introduced changes to Akuna's low-level framework which allowed different trading engine related applications to run concurrently on non-overlapping cores on the same host by constraining these applications to cgroups using Linux cgroups

### Viasat, Inc.

Software Engineering Intern

May 2019 - August 2019

Carlsbad, California

- Developed a full stack web application using Django to provide an address pooling service for users to query available IP addresses from a given range
- Designed an easy-to-use interface to control and configure groups of Viasat Mobile Broadband Routers (VMBR) using Ansible and Robot Framework
- Automated the provisioning and configuration of VMBR modems through the aforementioned applications which greatly simplified the process for future teams

### Khan's Tutorial

Instructor

September 2016 - May 2019

Queens, New York

- Prepared middle school students for the Specialized High School Admission Test
- Wrote Python scripts to download student report cards from a Google Drive folder and perform data analysis operations on students' grades over time

## PROJECTS

### mixr

- Utilized object oriented design principles in C++ to create a simple music player compatible with multiple operating systems
- Used Qt 4.8 to create the graphical user interface and style sheets to create a custom dark theme

### finstagram

- Created a full-stack web application using Flask and Bootstrap for users to upload and share photos with other finstagram users; other features include following users as well as liking and filtering posts
- Stored and queried data using MySQL

## SKILLS

Programming:	C++, C, Python, Haskell
Web & Databases:	HTML, CSS, Django, Flask, MySQL
Tools & Technologies:	Git, eBPF, Qt

## AWARDS

- NYU Computer Engineering Dean's List