Bola Gadalla

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Education

CUNY Queens College   Queens, New York

B.A. Computer Science   *Anticipated Graduation: 07/2022*

Relevant Coursework: Data Structures, Machine Learning, Principles of Programming Languages, Genetic Algorithms (GA), Internet and Web Technologies, Google CS Course

Skills

Technical Skills: C# (4yrs), Java (3yrs), Python (2yrs), Dart (2yrs), C++ (2yrs), JavaScript (1 year)

Tools and Framework: AWS, Node, TensorFlow, Git, Firebase, Unity, .NET, Flutter, Docker, Ubuntu

Experience

Research Foundation CUNY   Queens, New York

Peer Mentor   *08/2020 — 05/2022*

- Mentored 100+ students in C++ for their introductory computer science course in Queens College. This involved mentoring students with topics and programming concepts (i.e., backtracking, recursion, and using command line to compile and run their code).
- Coordinated with the course professor and other Peer Mentors to manage and provide help to 20+ groups, each consisting of 5 students, in completing their course project.
- Led daily office hours (20 hours per week) for 30+ students per semester; debugging their lab, homework, and coding projects in C++.

CUNY Queens College   Queens, New York

President of QC Game Development Club   *08/2019 — 05/2022*

- Founded and grew the Game Development Club in Queens College to 150+ students in span of 2 semesters by advertising it to students through organized events where we educate them about game development.
- Collaborated with other e-board members to teach and help 30+ club members to create games in the Unity game engine using C#. Out of whom 10 members created their own game and published them onto the Google play store.
- Led club meeting and club activities, as well as collaborated with the e-board members on setting goals and milestones for our club to achieve in terms of number of games made and members joined.

Amazon Web Services   New York, New York

AWS Insight and Optimizations   *09/2022 — Current*

- Worked on migrating our team's service to use a different format of configuration that saved engineers a whole day of setup time when launching the service in any region.
- Assisted in the creation of an internal service that cleaned almost 4 billion internal reports in our internal buckets and as a result it's saving our team hundreds of thousands of dollars in operation cost.

Selected Projects *(More projects on my GitHub)*

TinyJ | Course Project | @GitHub   *05/2022*

Created a programming language called TinyJ that runs on a virtual machine, all written in Java. The project contains a parser and a translator that parses the code to make sure it's syntactically correct and translates the written code into virtual machine instruction which runs in the virtual machine.