

# Suatcan Isik

johnisik314@gmail.com | github.com/suatcanisik | (347)-984-9154

## EDUCATION

### Queens College, City University of New York

BSc in Computer Science

Flushing, NY

May 2023

Minors: Mathematics, Physics

- Relevant Coursework: Object oriented Java and C++, Data Structures & Algorithms, Computer Architecture, Operating Systems, Software Engineering, Internet and Web, Applied Cloud Computing, Calculus III, Differential Equations, University Physics I&II (Calculus Based, Electromagnetism, Optics)
- Software Languages/Tech: Java, C++, Java Script, Python, SQL, Excel, AWS, Azure

## PROJECTS

### Lexical & Syntax Analyzer

Personal Project

December 2022

- Used C++ to create a tokenizer and a parser for given BNF grammar instructions for a C++ like language.
- Created an analyzer that reads key words, symbols, or names from the given input text file. The parser takes the list of tokens to check if the source code is syntactically correct. Output contains the parse tree of the given input or appropriate error message of the syntax error.

### Elevator Simulation

Personal Project

May 2022

- Utilized Java and multithreading to build an elevator simulation of a 5-floor building.
- The program runs 3 separate thread classes that record the passing of time, creation of list of passengers ready to board on each floor and controls the elevators. The thread that controls the elevator continuously keeps track of the other elevator objects and works asynchronously.

### Educational tool for Automatic Derivation

Team Project, Product Design/Coding

April 2022

- Used Python to build an educational tool, which helped students learn more about the Automatic Derivation system that computers use to take derivatives.
- The program graphs equations overtime while showing how computer approaches and separates it into more readable mathematical formulas. Further, it shows how the computer builds on the derivation of readable methods, showing the user the steps in Automatic Derivation.
- Developed the mathematical underpinnings for the project, which included getting the sub derivatives and parsing of input.

### TV Show Recommendation Webpage

Personal Project

May 2021

- Used JavaScript & HTML to build an algorithmic show recommendation website, with 2-legged APIs. (Deployed it locally for use by classmates)
- The website checks the weather type in your current location, then recommends tv shows by their genre. For instance, drama for rainy days, romance at nighttime, horror when it's a misty night, etc.

## EXPERIENCE

### Maker Space

Member/Assistant

Flushing, NY

December 2021 - Present

- Learned numerous skills using lab resources, including soldering (surface mount), woodworking, and 3d printing. Instruct people on machinery usage and the safety protocols in a serious lab environment. Developed communication and team-orientation skills in a working lab environment.

### Amazon Flex

Part Time

Long Island, NY

October 2020 - Present

- Deliver packages in patches of around 20-30 packages at a time. Communicate with customers over phone, answering questions and solving complaints. Plan routes to deliver efficiently.

## EXTRACURRICULAR

### Hackathon: TIQC x Code Resolve x Girls Who Code Hacks

Product Design/Coding

Flushing, NY

April 2022

- Built a web application that helps students to share club activities & college resources using JavaScript.