Uriah Pissalidis

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Education

Queens College — Flushing, NY
Bachelor of Arts in Computer Science — *Aug. 2016 – Jan. 2022*

Nassau Community College — Garden City, NY
Associate's in Liberal Arts and Sciences — *Aug. 2011 – Dec. 2015*

Relevant Coursework

Object-Oriented Programming — Java and C++
Queens College

- Studied abstraction, inheritance, polymorphism, exception handling, utilization of packages, testing and debugging
- Explored pointers and pointer arithmetic within C++; memory management, and implemenetation of basic data structures during development and deployment of the famous N-Queens problem

Data Structures — Java
Queens College

- Mastered fundamental data structures, searching and sorting algorithms and their implementations
- Time and space complexities of, stacks, queues, trees (binary and AVL), heaps, graphs, and hash tables
- Problem-solving strategies with greedy, dynamic programming, divide-and-conquer, and backtracking algorithms

Internet and Web Technologies — JavaScript and Node.js
Queens College

- Explored the internet protocol stack, representation protocols, internet applications and their various designs
- Delved into client-server architecture, popular internet application protocols, and server side programming

Projects and Activities

Hosted Leetcode Pair-programming sessions | *Python, Java* — Feb. 2020 – Present

- Paired programmers into groups of two, after a set amount of time had elapsed, teams discussed their solutions in Discord to find optimal solutions
- Pair-programming resulted in a 15 percent drop in bugs upon analysis of solutions during code reviews
- Grades increased at least a full letter grade for students that participated before enrolling in Data Structures

Album Art Finder | *JavaScript, Node.js, HTML, Spotify API* — Sept. 2021 – Nov. 2021

- Created an HTTP server with Node.js that parses URLs, processes HTTP requests, HTTP responses, utilizes user authentication and displays album art for an artist specified by the user
- Components of the project were built without the use of frameworks and third-party software (such as Axios or Express) in vanilla JavaScript

Bear Fish River | *Java, Git* — Sept. 2020 – Nov. 2020

- Constructed a Java application wherein an array contains two animal objects, bears and fish
- Bears and fish are randomly assigned to the river array where they can fight, reproduce, populate an empty index, or be overwritten

IEX Data for Financial Analysis | *Python, Jupyter Notebook, Pandas* — Feb. 2022 – May. 2022

- Wrote Python code to seamlessly extract financial data from the IEX API
- Financial data is pulled from the IEX API with various endpoints written within the code, user can specify what they data to see with options outputted by the application

TimeTrackr | *Python, JavaScript* — Jan. 2020 – Present

- Individually developing an application to visualize and log where a user's time is spent when they're at a computer
- The user's time is logged into two categories: focused and unfocused
- During focus sessions, websites blacklisted by the user will be inaccessible during a focus session

Technical Skills

Languages: Java, Python, C++, SQL, JavaScript, HTML, CSS, Assembly, LISP, Markdown, LaTeX
Frameworks: Node.js, React, Flask, Express
Developer Tools: Git, Docker, Jenkins, Amazon Web Services (AWS), Visual Studio (VS) Code, Eclipse, Sublime Text, Postman
Libraries: Pandas, NumPy, OpenCV, TensorFlow