ALEX AMINOV

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EDUCATION

Queens College, City University of New York, <u>GPA: 4.0/4.0</u>　　　　　　　　　　　　　　　　**Flushing, NY**
- Bachelor's in Computer Science; expected graduation date: February 2022.

Stuyvesant High School　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**New York, NY**
- Top specialized math/science high school in New York.

Relevant Coursework:

Data Structures, Theory of Computation, Operating Systems Principles, Principles of Programming Languages, Design and Analysis of Algorithms, Cloud Computing, Computational Finance, Software Engineering.

SKILLS

Programming: Java, Python, C++, T-SQL/Microsoft SQL Server, JavaScript/Node.js, Terraform (HashiCorp Configuration Language).
Technologies: Git/GitHub/GitLab, Amazon Web Services (AWS), ServiceNow, SQL Server Management Studio (SSMS)/JDBC/RedGate.

EXPERIENCE

CUNY Tech Prep　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**New York, NY**
Software Development/Data Science Fellow　　　　　　　　　　　　　　　　　　　　　*July 2021-Present*
- Learned in-demand technologies/libraries including Python 3, Pandas, Anaconda, Jupyter Notebooks, Heroku, TensorFlow, Matplotlib, Seaborn, PyTorch, Numpy, Scikit-learn, and SQL.
- Was taught industry best practices for data collection/processing, exploratory data analysis (EDA), statistical modeling, feature engineering, data visualization, machine-learning techniques (including regression, classification, data reduction, natural language processing, image classification, deep neural networks, etc.), the data science process, and Big Data.

Interactive Brokers　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**New York, NY**
Software Development Intern　　　　　　　　　　　　　　　　　　　　　　　　　*June 2021-August 2021*
- Developed AWS Infrastructure as Code utilizing Terraform (HashiCorp Configuration Language) to implement integration between AWS's Service Catalog and ServiceNow's Service Catalog.
- Integrated various AWS services and features with ServiceNow through Terraform including: EC2, S3, CloudTrail, CloudFormation, CloudWatch, security (IAM roles, users, groups, and policies), SQS, SNS, SSM, VPC, OpsCenter, etc.
- Designed infrastructure that allowed developers to provision pre-configured cloud servers for sandbox purposes in minutes as opposed to the longer prior manual processes, while also automatically checking for any security/best-practice violations in the configuration and keeping an inventory of all resources.

Queens College　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Flushing, NY**
Faculty Assistant (Tutor)　　　　　　　　　　　　　　　　　　　　　　　　　　*March 2021-May 2021*
- Provided educational support with the Academic Support Center for 100+ students in the Database Systems course which included tutoring subjects like database and data modeling (conceptional/logical/physical), Transact-SQL, transactions, relations, etc.
- Substituted tutoring other computer science courses, including Introductory Programming.

Medical Office of Dr. Robert Malakov　　　　　　　　　　　　　　　　　　　　　　　　**Rego Park, NY**
Office Manager　　　　　　　　　　　　　　　　　　　　　　　　　　　*June 2015-December 2020*
- Supervised up to ten employees, including overseeing all day-to-day operations such as medical billing, pre-authorization, medical bill collections, as well as all clerical and administrative tasks.
- Performed some IT support for medical and office staff, including installation, configuration, and troubleshooting of software, workstations, networking, and printers.
- Increased office efficiency by streamlining, digitizing, and organizing many processes and aspects of the office, including implementing software solutions for manual tasks, creating color-coding schemes for all data, creating mechanisms to cross-reference patient data and office data, etc.

NOTABLE PROJECTS

Database Design
- Served as group leader for all three group projects for Database Systems course, including the final project which entailed the design and implementation of a database for Queens College (involved creating advanced SQL elements), as well as a presentation of the group's work. (T-SQL, SSMS, RedGate, Docker, Java/JDBC)

IP-API and Google Drive Integration
- Created a website that uses the API from ip-api.com to find the physical location of an IP address provided by the user, then uploads this information to the user's Google Drive account using Google's 3-legged OAuth2 API. (JavaScript, Node.js, HTML, API troubleshooting done through Insomnia)

Tic-Tac-Toe
- Tic-tac-toe game with a GUI, 2-player support, and unbeatable AI. (Python)