

Steven Granaturov

Brooklyn, New York · stevengranaturov2001@gmail.com · 646-785-9453 · github.com/ander9991 ·
linkedin.com/in/stevengranaturov

EDUCATION

NEW YORK UNIVERSITY – TANDON SCHOOL OF ENGINEERING

September 2023- May 2025

Master of Science, Computer Science

Relevant Coursework: Machine Learning, Foundations of Data Science

CUNY CITY COLLEGE – THE GROVE SCHOOL OF ENGINEERING

August 2019 – September 2023

Bachelor of Science, Computer Science

Relevant Coursework: Discrete Structures, Algorithms, Data Structures, Software Design Laboratory, Software Engineering, Database Systems, Operating Systems, Theoretical Computer Science, Programming Paradigms, Scientific Programming, Computer Organization, Data Science, Intro to Machine Learning, Website Design, Senior Design I & II

SKILLS

Programming Languages:

HTML/CSS, C, C++, Java, Python, VHDL, MIPS, Flutter, Dart, R

Libraries/APIs/Frameworks:

JavaFX, Flask, Django, Bootstrap, Numpy, Pandas, SciKit-Learn, TensorFlow

Database:

SQL, MySQL, PostgreSQL, Microsoft SQL Server Management Studio

PROJECTS

Stock Closing Price Predictor (NYU)

Fall 2023

- Developed a stock closing price prediction system by employing a recurrent neural network, multilayer perceptron, and decision tree.
- Implemented models to forecast overall stock trends and closing prices.
- Leveraged the decision tree as an indicator for recommending buy or sell decisions based on the model's analysis.
- Visualized the relationship between numerous features to show correlations and relationships.

Capstone Project: PriceHub Android Application (CCNY)

Spring 2022 – Fall 2022

- Developed a mobile application (FlutterFlow) that provides accessible and more affordable prices of millions of products for clients which was successfully published to the Google App Store
- Implemented backend API calls that fetch results from multiple stores to obtain the cheapest price of a product
- Integrated Google Firebase for seamless user authentication and efficient storage of user data, enhancing system functionality and security.

CC-Simp-32 – Central Processing Unit (CCNY)

Spring 2022

- Engineered a 32-bit CPU in VHDL with Xilinx along with numerous CPU components such as the Arithmetic Logic Unit, Random Access Memory, Read-only memory modules, and a Finite State Machine to provide logic for the CPU
- Implemented the functionality of numerous MIPS instructions that are able to be taken in as input from a file, and compute outputs
- Designed and developed a 32-bit Memory Address and Data Registers for Load and Store access from RAM

Spam Text Detection using Natural Language Processing (CCNY)

Fall 2022

- Developed a recurrent neural network model using TensorFlow to detect spam messages
- Preprocessed the data using lemmatization, tokenization, vectorization, and removed stopwords
- Trained and validated the model that had an accuracy of 98%

EXPERIENCE

THE CITY UNIVERSITY OF NEW YORK, DEPARTMENT OF COMPUTING AND INFORMATION SYSTEMS, NEW YORK, NY

INFORMATION TECHNOLOGY SUPPORT

July 2023 - Present

- Designed a database storing all user information of 500K+ students and faculty
- Collaborated with a team of 8 in reducing university spending by identifying and removing excess licenses which reduced University spending for licenses of over \$100K
- Analyzed University agreements and partnerships to find appropriate subscriptions and reduce annual University spending of over \$300K+
- Configured and setup Linux environments to run WordPress servers on local machines
- Automated the creation of student reports by writing scripts in Python and PowerShell

SYEP, EDITH & CARL MARKS JCH, BROOKLYN, NY

Information Technology Assistant

Summers of 2016, 2017, 2018, 2019

- Modernized all the computer systems in the facility to be functional and up-to-date on current software
- Itemized all electronics in the facility into a local database and ran multiple queries to generate reports
- Consistently updated the WordPress website to remove bugs and contain up-to-date information