ANDREY **GORYUK**

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Education

Computer Science, B.S.	Fall 2017 - Fall 2021

The City College of New York
Graduated Magna Cum Laude, **GPA: 3.73**

Skills

Languages: Python, Java, JavaScript, C++, SQL, HTML, CSS, Matlab
Frameworks: ReactJS, React Native, Express, Spring Boot, Android Studio, JavaFX, Flask, Git/GitHub

Project Experience

Social Media Web App
- Applied MVC principles using the *MERN* stack to develop a social media web app for sharing memories
- Created Rest API endpoints with *Express* to perform CRUD operations on data in a *MongoDB* database
- Implemented user authentication using JSON Web Tokens and Google OAuth2.0
- Utilized *ReactJS* and *Material UI* to create a responsive UI/UX for desktop and mobile devices

Online Restaurant Web App
- Implemented a dynamic frontend using *ReactJS* and *Redux* as part of a small agile-orientated team
- Constructed Restful API endpoints in *Spring Boot* to retrieve data from a MySQL database
- Produced technical documentation, use-case reports, E-R diagrams, and API endpoint charts

Movie Watch List
- Developed a mobile app using *React Native* to store user entered movie titles
- Constructed a robust web-scraper to retrieve essential movie details
- Implemented modern mobile touch, swipe, and drag controls

Face Mask Detection
- Trained a machine learning model to perform bounding-box detection on humans wearing face masks
- Deployed the model to a *React* web-app to perform live detections using users' webcams
- Developed backend API endpoints with *Flask* to perform model predictions

Stock Price Forecasting
- Feature engineered technical indicators using *Pandas* and *NumPy* for 6 years of daily $JPM stock data
- Employed machine learning preprocessing techniques on large datasets
- Used *Scikit-learn* and *TensorFlow* to train linear regression, random forest, and neural network models

Honors/Awards

- Dean's List, City College of New York 2019-2021
- CUNY Athletic Conference Sportsmanship Award for Men's Soccer
- Athletic Director's Scholar-Athlete Honor Roll