# Anthony Dvorsky

973-271-0339 | ajd99@njit.edu | https://www.linkedin.com/in/anthony-dvorsky-6190981aa/ | https://github.com/tony2-5

## Education

**New Jersey Institute of Technology**                                         Sept. 2021 – May 2026
*Master of Science Computer Science, GPA: 3.89/4.0*                                          *Newark, NJ*

## Experience

**Software Engineer Intern**                                              May. 2024 – August. 2024
*Redhawk Research LLC*                                                                          *Remote*
- Revamped the Cypress testing system using JavaScript for Redhawk's loan processing web application, Jonah Direct.
- Implemented email verification testing through Cypress using the Gmail-tester plugin with Google Cloud Platform.
- Investigated the React Flow library to enhance the building of Real Estate Owned (REO) workflows in Jonah Direct.
- Built a full-stack project using Next.js, GraphQL, Apollo, Prisma, and Dagster to showcase React Flow's capabilities.
- Demonstrated the feasibility of implementing Dagster for running data pipelines through React Flow using the Dagster GraphQL API.

**Introduction To Computer Science I Course Assistant**                       Sept. 2022 – Jan. 2023
*New Jersey Institute of Technology*                                                          *Newark, NJ*
- Aided 20 hours weekly in a course focused on introducing programming and problem-solving techniques using Java.
- Minimized professor workload by grading exams, homework, and assisting in lectures.
- Guided two weekly lab sessions for a section of 40 students using Java to enhance learning with in-class exercises.

**Intern**                                                               June 2022 – Aug. 2022
*Packaging Efficiency Solutions*                                                            *Denville, NJ*
- Increased workplace efficiency by creating a part testing scheduler using Visual Basic for Applications in Excel.
- Assisted in creating and managing Excel workbooks for data entry based on inventory data from Sage 100.

## Projects

**Training Log App** | https://training-log-tawny.vercel.app/
- Developed a full-stack training app that tracks users running data and visualizes it with Recharts, a React chart library.
- I used React, NextUI, and Tailwind to build the frontend, and Next.js, GraphQL, and Prisma with PostgreSQL for the backend.
- Implemented NextAuth.js for user authentication and hosted my project on Vercel.

**Shop Project** | https://github.com/tony2-5/ShopProject-IT202
- Developed a full-stack shop website using Django for backend and React for frontend.
- Used Django Rest Framework to build a REST API for performing CRUD operations on shop and cart products.
- Implemented user authentication using JWT with Django Rest Framework's JWT extension and Axios middleware on the frontend.

**Predicting Taxi Tips** | https://github.com/tony2-5/PredictingTaxiTips
- Machine Learning project predicting tips for taxi rides using a data set from NYC Open Data Portal and a Linear Regression Model.
- Cleaned and visualized data set using Pandas, NumPy, Seaborn, and Matplotlib.
- Used Scikit-learn to split and encode the data and to train and evaluate the model.

## Technical Skills

**Languages**: JavaScript, HTML/CSS, Python, PostgreSQL, C, Java, PHP, GraphQL
**Developer Tools**: Git, VS Code, Vercel, Netlify
**Libraries**: React, React Flow, NextUI, Recharts, Prisma, Dagster, d3, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
**Frameworks**: NextJS, Django, Django REST Framework, Cypress Testing, Tailwind

## Extracurricular

**NJIT Divison 1 Cross Country/Track and Field**
- Three-season student-athlete competing in the Fall, Winter, and Spring seasons.
- Named to 2023 America East Conference Cross Country All-Academic Team.
- Team captain and one of two representatives, communicating the team's needs with NJIT's athletics administration.