Dennis Boguslavskiy

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EDUCATION

New Jersey Institute of Technology   Newark, NJ
Bachelor of Science
Major in Computing and Business
Dean's List: Fall 2022, Spring 2023, Fall 2024

Relevant Coursework: Intensive Programming in Linux, Principles of Oper Sys, Business Data Analytics,Database System Design and Management

WORK EXPERIENCE

Merola Tile Distributors of America.   Manalapan, NJ
Software Development Intern   June 2024 - Jan 2025
- **Analyzed and tracked quarterly KPIs** utilizing **advanced Excel functions** providing clear insight into performance trends
- **Developed** a **Quality Control PO Web Application** with **Python, Flask, Linux, and JS**, reducing manual workloads and boosting efficiency
- **Assisted** with day to day **IT support operations** troubleshooting and resolving **hardware and software issues**
- **Implemented an IT asset management solution** for **500+ inventory items,** leveraging **Linux, Apache2, and MySQL**
- **Oversay project research and deployment** coordinating strategies and timelines to achieve on-time deliverables

Premier Medical Lab   Edison, NJ
Python Developer Intern   September 2023 – November 2023
- **Developed a Python GUI application** leveraging **Tkinter/PyQt5,** enabling database queries from **MySQL and Excel Exports**
- **Streamlined user workflows** by designing **intuitive interfaces** and **integrating exception handling**
- **Optimized data pipelines** with **modular code,** resulting in maintainable and high-performing applications

PROJECTS

Stock Predictor AI Project - https://github.com/db627/machinelearning-stockticker   Currently Working On
- Integrated live market data from Yahoo Finance for training and validation, ensuring up-to-date and accurate insight
- **Implementing a linear regression model** in Python with **Scikit-learn**, enabling predictive analytics on real-time stock data
- **Creating** a **machine learning pipeline**, integrating **data preprocessing**, model optimization, and predictive output for **informed trading decisions**

Bank System Design at NJIT   December 2024
- **Designed a relational database system** using **MySQL and SQL** to manage **banking operations, including branches, customers, employees, accounts, loas, and transactions**
- **Implemented** advanced **SQL queries** with **multi-table joins** and **subqueries, enhancing data retrieval, reporting, and translation processing**
- **Developed** an **ER model** and **relational schema**, defining relationships, constraints, and normalization for efficient and accurate data management.

Diet App Website - https://github.com/db627/dietapp   October 2024
- **Developed a live, end-to-end secure diet app, with user authentication** using **Flask, OpenAI API, Bootstrap, SQL, and JavaScript,** providing personalized macro calculations and meal planning
- **Integrated AI-driven meal plan generation,** allowing users to receive customized nutrition plans based on fitness goals

Consignment Management Platform for ByRaph - www.byraph.vercel.com   September 2024.
- **Developed** a live **full-stack consignment management platform** using **Next.js, Tailwind CSS, Firebase DB, and Firebase Auth,** that currently manages 5+ consignment clients
- **Implemented secure authentication** and **role based access control** via **Firebase Auth,** ensuring seamless user and admin logins
- **Built** a feature rich **admin dashboard** for **inventory management, payment processing, real-time updates, data export, and analytics tracking**

RobinPy Stock Project - https://github.com/db627/Robinpy   September 2022
- Developed an **automated stock-monitoring tool** in Python, integrating real-time portfolio tracking via the **RobinStocks API**
- Implemented a **moving average trading strategy** to generate stock predictions, delivering daily updates through **Twilio API**

TECHNICAL SKILLS

Skills: Python, Linux, Bash, Java, SQL, Frameworks, MySQL, Data Analytics, Excel, Web Applications, VMs, Databases, Git