

Aidan Matthew Andrucyk

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EDUCATION

Honors College of Rutgers University—New Brunswick

Cumulative GPA: 4.0

B.S. in Computer Science, Planned Minors in Statistics and Quantitative Economics

Graduating May 2023

Honors: Class Rank 1/963, Merit Scholarship, Dean's List, National AP Scholar, and We the People NJ State Champion.

Coursework: Data Structures, Computer Architecture, Linear Algebra, Honors Forum, and Intermediate Microeconomics.

PROJECTS

Machine Learning King County House Sale Price Predictor

July 2020

- Applied Tensorflow/Keras Neural Network Regression capabilities to predict house sale prices in King County, Washington.
- Visualized historical house sales on interactive Mapbox scatter maps, animated time series, and 3D plots using Plotly.
- Utilized Pandas and Seaborn on Kaggle CSVs for data cleaning, exploratory analysis, and feature engineering.

Ant Colony Simulator Mobile App

June 2020 - July 2020

- Published an android game on Google Play, pairing *Firebase* to employ Google Analytics, AdMob, Test Lab, and Crashlytics.
- Implemented saved preferences across app lifecycle, activities using intents, language localizations, dynamic XML layouts, git version control, alert dialogs, toggleable audio as well as a complementary mobile-friendly website using *Bootstrap*.

Multiple Linear Regression Analysis Tool

May 2020

- Built a java application that uses least-squares approximation given multiple explanatory variables to generate the least-squares-regression-line equation, hat matrix, covariance matrix, and coefficients of correlation and determination.
- Created the graphical user interface using *JavaFX* as well as CSS for styling and *Gluon's SceneBuilder* for handling FXML.

EXPERIENCE

Bluebonnet Data

Cambridge, MA

Data Analyst

June 2020 – Present

- Deployed deep learning models to predict group clusters' likelihood of voting and supporting campaigns.
- Provided census data visualization using VAN, voter profile analysis using Pandas, and interactive mapping using Plotly.
- Led data team in collaboration on projects using GitLab and AirTable API.

Institute for Domestic and International Affairs

New Brunswick, NJ

Assistant Director for Rutgers University Model UN Conferences

September 2019 – Present

- Directed committees on the economic expansion of ASEAN and the South China Sea crisis for 30+ high school students by using parliamentary procedure to guide debate, maintain decorum, teach diplomacy/consensus building, and ensure active and equal participation.
- Collaborated with the conference logistics team and crisis simulation staff to plan and run four-day conferences with 500+ attendees by developing crisis arcs, planning deliverables, and communicating ongoing events through update papers.

Law Offices of Terry J. Finkelstein, Esq.

East Brunswick, NJ

Legal Intern

March 2019 – August 2019

- Drafted and reviewed legal documents such as inspection reports, wills, contracts of sale, and prenuptial agreements.
- Performed clerical work such as answering/making phone calls, organizing case files, and sending/requesting documents.

VOLUNTEER EXPERIENCE

Exoplanet Identifier

Citizen Science Alliance: Zooniverse

August 2020

Alternative Breaker

Catalina Island Conservancy

January 2020

Event Staff

Honors College Serves Series

September 2019 – Present

STEM Tutor

National Honors Society

September 2017 – June 2019

Treasurer

East Brunswick Youth Council

September 2015 – June 2020

Server/Kitchen Helper

St. Brigid's Food Pantry at St. James Episcopal Church

June 2015 – August 2015

TECHNICAL SKILLS, CERTIFICATIONS, & INTERESTS

Proficient Languages: Java, C, and Python; **Prior Experience:** HTML, CSS, R, SQL, x86 Assembly, and XML.

Libraries: Pandas, Seaborn, Plotly, Scikit-learn, Tensorflow, and JavaFX; **Tools:** Jupyter Notebook, Android Studio, Git, and Vim.

Certifications: Udemy Python for Data Science and Machine Learning Bootcamp and NJ Seal of Biliteracy in English and French.

Interests: Hello Internet Podcast, Europa Universalis (Grand Strategy Game), International Affairs, and Distance Running.