

Aidan Matthew Andrucyk

East Brunswick, NJ 08816 | aa1918@scarletmail.rutgers.edu | (848) 202-6795 | aidanandrucyk.github.io

EDUCATION

Honors College of Rutgers University—New Brunswick

Cumulative GPA: 4.0

Bachelors of Science in Computer Science, Minors in Statistics and Quantitative Economics

Graduating May 2023

Honors: Class Rank 1/963, Merit Scholarship, 98th Percentile SAT, Dean's List, National AP Scholar, We The People State Champ, Presidential Award for Academic Excellence, First Honors in Global Business at 2017 New Jersey FBLA Leadership Conference

Relevant Coursework: Data Structures, Linear Algebra, Computer Architecture, Intro Statistics, Intermediate Microeconomics

Fall 2020 Coursework: Basic Applied Statistics, Discrete Structures I, Honors Prediction Systems, Mind-Machines-Persons

Campus Involvement: Society for Asian Scientists and Engineers, HackRU, Alternative Breaks Program, Honors College Serves

PERSONAL PROJECTS

King County House Sale Price Predictor

Python

- Deployed a **Keras neural network model** to predict house sale prices in King County, WA with a 36k mean absolute error
- Visualized historical house sales on interactive scatter maps and animated time series using **Plotly and Mapbox API**

Ant Colony Simulator Mobile App

Java, XML

- 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, togglable audio as well as a complementary mobile-friendly website using **Bootstrap**

Linear Regression Analysis Tool

Java, CSS, FXML

- Built a desktop application that utilizes one-shot learning with **least-squares approximation** data fitting to predict values for a continuous variable while also generating summary statistics and capable of performing further linear algebra operations
- Designed the graphical user interface using **JavaFX** as well as CSS for styling and **Gluon's SceneBuilder** for handling FXML

PROFESSIONAL EXPERIENCE

Rutgers University Office of Internet Technology: Busch Computing Center

Piscataway, New Jersey

Incoming Internet Technology Consultant

Starting October 2020

Bluebonnet Data

Cambridge, Massachusetts

Data Science Fellow

June 2020 – Present

- Applied **Keras and Scikit-learn** machine learning capabilities to classify, cluster, and predict voter characteristics
- Presented analyses and **Seaborn** visualizations weekly to the Claudia Sandoval for Union County Board of Education team
- **Recognized as the data team lead** by the campaign manager based on demonstrated leadership in setting agendas, outlining Google Meet calls, developing **code used as templates by others**, and maintaining cleanliness of Github repository

RE/MAX First Realty

East Brunswick, New Jersey

Data Entry & Transaction Specialist

July 2019 – November 2019

- Utilized Microsoft Excel to input, organize, and **visualize property data** collected from documents and visiting sites
- Called and emailed realtors and potential clients, increasing the open house feedback form completion rate by roughly 37%

Law Offices of Terry J. Finkelstein, Esq.

East Brunswick, New Jersey

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

LEADERSHIP EXPERIENCE

Institute for Domestic & International Affairs

New Brunswick, New Jersey

Assistant Director for Rutgers University Model UN Conferences

September 2019 – Present

- Planned/ran four-day conferences with **400+ high school students** by developing crisis arcs and collaborating across teams
- Directed economic committees by guiding debate, promoting census building, and researching geopolitical affairs

TECHNICAL SKILLS, CERTIFICATIONS, & INTERESTS

Languages: (Proficient:) Java, C, Python, (Prior Experience:) HTML, CSS, R, x86 Assembly, SQL, Matlab

Libraries: Pandas, Seaborn, Plotly, Scikit-learn, Keras, JavaFX; **Tools:** Jupyter Notebook, Android Studio, Git, GDB, Vim

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

Interests: Hello Internet Podcast, Europa Universalis (Grand Strategy Game), Portrait Photography, Distance Running