

Aidan Matthew Andrucyk

☎ (848) 202-6795 | ✉ aa1918@scarletmail.rutgers.edu | 🏠 aidanandrucyk.github.io | 🌐 aidanandrucyk

EDUCATION

Rutgers University—New Brunswick, Honors College

Cumulative GPA: 4.0

Bachelor of Science in Computer Science, Minors in Economics & Statistics

Graduating May 2023

Honors: Class Rank: 1, Merit Scholarship, Honors College (Top 5% of Class), Dean's List (All Semesters)

Coursework: Data Structures, Computer Architecture, Linear Algebra, Discrete Structures I (Fall 2020)

WORK EXPERIENCE

Research Assistant • Behavioral Informatics Lab

September 2020 – Present

- Developing fairer deep learning face matching algorithms using PyTorch under Professor Vivek K. Singh

Teaching Assistant • Rutgers Mathematics Department

September 2020 – Present

- Grade and clarify concepts from assignments for Introductory Linear Algebra for 90+ students

Data Science Fellow • Bluebonnet Data

June 2020 – September 2020

- Informed political campaign strategy by presenting Pandas data analysis and Seaborn visualizations
- Identified underrepresented political groups, resulting in targeted mailing lists and advertisements
- Predicted voter party affiliation with 81% accuracy using Keras to forecast unaffiliated voter preferences
- Managed a data fellows team by setting and ensuring the completion of internal agendas

Legal Intern • Law Office of Terry J. Finkelstein, Esq.

March 2019 – August 2019

- Drafted and reviewed 100+ legal documents including inspection reports, wills, and contracts of sale

PERSONAL PROJECTS

Spotify Mood Matcher • PennApps XXI Full Stack Web App

September 2020

- Matched users to Spotify playlists based on the facial expression captured from the UI's webcam
- Leveraged the Google Vision API to process mood detection and the Spotify API to fetch music data

Pokémon Personality Test • Full Stack Web App

August 2020

- Developed a form that fetches Poké API data, matching users to pokémon that are most similar to them
- Employed Flask to pair the Python backend and a PostgreSQL database to store and access responses

House Sale Price Predictor & Analysis • Jupyter Notebook

July 2020

- Utilized a Keras neural network model to predict King County house sale prices with a 46k mean abs. error
- Visualized sales on interactive scatter maps and animated time series using Mapbox API and Plotly

Ant Colony Simulator • Mobile App

June 2020 – July 2020

- Published an android game on the Google Play Store with 100+ downloads where users manage a colony
- Paired Google Firebase to generate revenue (AdMob) and analyze user experience (Analytics/Crashlytics)
- Implemented 5 language localizations, XML layouts, game mechanics, and a Bootstrap-based website

LEADERSHIP EXPERIENCE

Assistant Director • Institute for Domestic & International Affairs

September 2019 – Present

- Ran a model UN conference to help 400+ high school students enhance their oratory and diplomacy skills
- Collaborated with logistics teams to develop 3+ hour crises arcs and direct a 40+ person committee

SKILLS & INTERESTS

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

Libraries/Frameworks: Pandas, Seaborn, Plotly, PyTorch, Scikit-learn, JavaFX, Flask

Tools: Git, Jupyter Notebook, Linux, Vim, Android Studio, Eclipse, Visual Studio Code

Interests: Life Tracking Spreadsheets, Photography (Instagram: @aandrucyk.va), Distance Running