Aidan Matthew Andrucyk

📞 (848) 202-6795 | ✉ aidan.andrucyk@rutgers.edu | 🏠 aidanandrucyk.github.io | ⌂ aidanandrucyk

EDUCATION

Rutgers University—New Brunswick, Honors College   **GPA: 3.97**
B.S. in Computer Science, B.A. Cognitive Science, Minor in Economics   August 2019 - May 2023
Honors: Trustee Merit Scholarship, Honors College (Top 5% of Class), Dean's List (All Semesters)
Coursework: Data Structures, Databases, Computer Architecture, Linear Algebra, Discrete Structures I-II

WORK EXPERIENCE

Incoming Software Engineer Intern · *AT&T*   May 2021 - August 2021

Research Assistant · *Behavioral Informatics Lab, Rutgers*   September 2020 – Present
- Anticipated second paper author of a fairness-focused face matching algorithm
- Implemented a representational deep learning model with variational autoencoders in Pytorch
- Reduced model training time from ~8 days to 20 minutes by leveraging Ameral cluster GPUs

Data Science Fellow · *Bluebonnet Data*   June 2020 – September 2020
- Shaped political campaign strategy by presenting 200+ data visualizations made with Python and Seaborn
- Optimized deployment of 40+ volunteers with Pandas analysis, achieving +15% increase in party turnout
- Enhanced outreach through data-informed ads and donor lists; 4x website traffic and $1.2k in donations

Course Assistant · *Department of Mathematics, Rutgers*   September 2020 – December 2020
- Improved student performance in Introductory Linear Algebra (01:640:250) by clarifying concepts
- Saved professor 5 hours/week by grading 90+ assignments weekly and generating grade reports

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 user's 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

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
- Implemented Google Firebase AdMob and Analytics, Java backend, XML layouts, and a Bootstrap 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 direct a 40+ person committee and develop 3+ hour crises arcs

SKILLS & INTERESTS

Languages: (Proficient:) Java, SQL, C, Python, (Prior Experience:) HTML, CSS,
Libraries/Frameworks: Pandas, Seaborn, PyTorch, Plotly, Scikit-learn, JavaFX, Flask
Tools: Git, MySQL, Jupyter Notebook, Linux, Vim, Android Studio, Eclipse, Visual Studio Code
Interests: Photography, Life Tracking Spreadsheets, Distance Running