

## GABRIEL A. DAVILA

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### WORK EXPERIENCE

#### **Data Analyst Intern, Paragon One & PWC, New York City, NY**

June 2023 – Aug 2023

- Collaborated with PwC mentors and nonprofit leaders to identify trends in operational data using Python (Pandas) and Excel.
- Synthesized insights into a client-facing pitch deck that addressed stakeholder engagement challenges.
- Prototyped a donor messaging assistant using GPT APIs, exploring automation potential in nonprofit outreach.
- Practiced remote collaboration, data interpretation, and agile communication across time zones.

#### **IT Consultant, Syracuse University, Syracuse, NY**

Mar 2022 – July 2024

- Provided technical support to campus users, resolving software, hardware, and connectivity issues under time-sensitive conditions.
- Documented frequent issues in internal wikis and supported ticket triage using Atlassian-based tracking systems.
- Participated in pilot testing and system feedback cycles involving Cisco VPN, Azure sign-in, and remote support tools.
- Communicated solutions clearly to both technical and non-technical users, emphasizing user experience and service continuity.

#### **Social Media Sales/Marketing Intern, Syracuse Cultural Workers, Syracuse**

Sep 2022 – Dec 2022

- Designed and edited digital content using Adobe Illustrator and Meta Business Suite for artist promotion and community campaigns.
- Utilized Google Analytics to assess website and social media performance; helped interpret metrics during weekly strategy meetings.
- Managed post scheduling and campaign planning using HeyOrca; tracked task progress and outreach coordination in Monday.com.
- Participated in outreach strategy discussions to align content with community engagement goals.
- Maintained and updated website pages via WordPress, including light customization of back-end display features to support seasonal themes and promotions.

### PROJECTS

#### ***The SOURCE: Undergraduate Research Assistant – Astro - Data Project***

- Conducted anomaly classification and signal pattern recognition using real-world gravitational wave datasets from the LIGO project.
- Updated and maintained the Gravity Spy project wiki, helping users better understand scientific context and platform functionality.
- Participated in weekly team meetings to discuss platform design, community feedback, and volunteer engagement metrics.
- Developed an AI-driven system designed to detect discussion themes within communication channels and provide recommendations for improving user engagement and learning outcomes.

#### ***Pr0-Tech: Blockchain-Based Data Security and Privacy Startup - (Ongoing/In Development)***

- Co-developing a blockchain-based platform for data privacy exploration and proof-of-concept demos.
- Researching security trends to inform product direction and technical integration of decentralized tools.

- Collaborating with peers to evaluate feasibility, user need, and market gaps in digital privacy solutions.

### **Mathematics Data Science Researcher, Syracuse University, NY**

- Led literature reviews on student learning, justice, and geographic thinking to guide the development of analytical models.
- Applied TF-IDF and K-means clustering to identify thematic patterns across 100+ student narratives.
- Designed a transformer-based chatbot to respond to student FAQs, integrating insights from behavioral and sentiment analysis.
- Presented findings at departmental and national symposiums, and refined models based on faculty and peer feedback focused on research rigor and reproducibility.

### **Human-Robot Collaboration Researcher, Syracuse University, NY**

- Conducted literature reviews on human-robot interaction (HRI) and teleoperation to inform research design and participant surveys.
- Maintained and repaired a college-developed robotic arm, including wiring, hardware troubleshooting, and adapting hand-tracking code for teleoperation.
- Facilitated lab sessions, coded participant behaviors in Excel, and implemented post-session surveys to evaluate user experience.
- Presented research findings to faculty and external stakeholders, contributing to protocol revisions and cross-team development efforts.

## **LEADERSHIP EXPERIENCE**

### **Data Scientist Lead, NEXIS, Syracuse University**

Led small-scale prototyping on data-driven environmental tools, particularly focused on wildfire risk visualization and modeling. Supported faculty-led research by helping design visuals and dashboards to communicate insights around climate vulnerability and resilience.

### **Student-Director of Diversity, Equity, and Inclusion, Residence Hall Association**

Shaped DEI policy and events in residential life, focusing on sustainable and student-driven initiatives. Worked with Syracuse University clubs and organizations to expand reach and embed equity into campus housing culture.

### **Student Advisory Board Member, The Dean's Advisory Board, Syracuse University**

Contributed to the launch and development of the Life Together initiative (university-wide) focused on civic dialogue and democratic engagement. Participated in cross-campus planning for community conversations and reviewed proposals supporting empathy-driven storytelling and inclusive advocacy.

## **EDUCATION**

### **Syracuse University, School of Information Studies**

May 2025

#### **B.S. Applied Data Analytics**

#### **Minors in Information Technology, Design & Startups**

**Relevant Coursework:** Data Mining | Application Programming for Information Systems | Front-End Development | Intro to Networks & Cloud | Database Management Systems | Information Management & Administration | Big Data Analytics | Information Visualization | Geographic Information Systems

## **TECHNOLOGY SKILLS/CERTIFICATIONS**

**Certification:** Computer Programming at Le Moyne College

**Programming Language:** Python; R; HTML; CSS; Pyspark

**Database Management:** SQL

**Applications:** MS Excel, MS Word, MS PowerPoint, Adobe InDesign, Adobe Illustrator, Microsoft 365

**Languages:** English (Fluent) & Spanish (Fluent)