

Tyler Uhl

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EDUCATION

Rutgers University

B.A. in Computer Science and Data Science, Quantitative Economics Minor
Cumulative GPA 3.76/4

August 2021 - December 2024

New Brunswick, NJ

HONORS

- Dean's List, 7/7 semesters
- Outstanding Greek Scholar recipient

TECHNICAL SKILLS

- Programming Languages: Python, SQL, R, JavaScript, HTML, Java, C++, C, Assembly, Scheme
- Javascript Libraries: React, Angular, jQuery, Node.js, Vue.js
- Python Libraries: Numpy, Matplotlib, Pandas, Scikit-learn, Pytorch, TensorFlow, Beautiful Soup, Pillow, OpenCV
- Applications: MS Office (Word, Excel, PowerPoint, Access), Docker
- Operating Systems: Windows, Mac, Linux, UNIX

RELATED COURSEWORK

Data Structures	Computer Architecture	Software Methodology
Systems Programming	Regression Methods	Data 101
Calculus I & II	Linear Algebra	Discrete Structures I & II
Bayesian Data Analysis	Statistical Learning	Game Theory
Principles of Information and Data Management		Data Management for Data Science
Design and Analysis of Computer Algorithms		Statistical Inference for Data Science

RELATED EXPERIENCE

Classy Solutions

December 2024 - Present

Database & Full-Stack Developer

- Designed and optimized relational databases for course scheduling, including schema creation, efficient queries, and data integrity constraints
- Developed full-stack applications using React and Node.js, implementing dynamic tables, interactive UI components, and RESTful API endpoints
- Collaborated with team, handling data manipulation, error handling, and secure endpoints for database operations

PsychoGenics Inc.

June 2024 - August 2024

Data Science Intern

- Implemented Bayesian optimization with scikit-learn to increase behavior detection effectiveness by 30%
- Visualized data and created graphs in Python for weekly sprint meetings using Matplotlib
- Restructured and filtered thousands of files efficiently in Python with Pandas
- Collaborated with the team using Git and the Linux terminal to manage and upload code

PsychoGenics Inc.

June 2023 - August 2023

Data Science Intern

- Wrangled data with Python using regex and exported it into a .csv
- Scraped data from the web with Python and cleaned it in a .csv
- Queried and sorted data using SQL
- Analyzed rat behavior with Python and visualized data to create graphs for weekly sprint meetings
- Partnered with the data science team to develop machine learning algorithms to distinguish rat patterns

TalkOrb LLC

June 2022 - December 2022

Software Engineer

- Created Virtument, an online database and interface for providing therapist referrals based on individual needs
- Used Wix and Velo; created and queried databases
- Developed my knowledge of web-development tools and skills and was asked to continue in the fall and winter

WORK EXPERIENCE

Wegmans, Montvale NJ

January 2020 - Present

- Worked 18 hours a week as a cashier and other store responsibilities while maintaining a 4.0 GPA during my senior year in high school; currently work during school breaks; scholarship recipient

LEADERSHIP EXPERIENCE

Member of Sigma Alpha Epsilon (Σ AE)

- Warden (Executive Board), Herald (Executive Board), Social, Recruitment, Brotherhood Development, Service Chair

Executive Board of Rutgers Interfraternity Council (IFC)

- Elected as Recruitment Coordinator (Fall 2023) - Planned recruitment events for all fraternities at Rutgers.
- Elected as Vice President (2024) - Served as Secretary and Treasurer for the IFC. Kept meeting minutes, created meeting agendas, collected dues, created a budget, retrieved cash advances, filled out invoices