

Tyler Audino

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EDUCATION

University of Florida

Bachelor of Science in Computer Science (Sophomore, GPA: 3.88)

Gainesville, FL

Expected December 2025

Minor in Statistics

Relevant courses: Data Structures and Algorithms, Programming Fundamentals 1 & 2, Programming Data in R, Intro to Probability, Introduction to Computer Organization, Discrete Structures

Awards: UF LGBTQ+ Alumni Association Scholarship, Verto Semester Abroad Scholarship, UF Dean's List (3x)

SKILLS

Languages: Python, R, C++, C, HTML/CSS, MATLAB

Packages: NumPy, Pandas, Plotly, Pygame, SFML, Airium

Additional: Git, Github, Docker, Jupyter Notebook, ArcGIS Pro, Microsoft Office, Microsoft Outlook, Slack

EXPERIENCE

Data Analyst Intern | University of Florida Active Learning Program

Gainesville, FL | January 2024 - Present

- Wrangles and visualizes health data using Python and R, ensuring maintenance of data integrity and accuracy standards
- Collaborates with team to develop deliverable data dictionaries for multiple large EHR datasets
- Participates actively in research meetings, contributing insights and updates to enhance team collaborative efforts

Research Assistant | University of Florida INDIE Lab

Gainesville, FL | September 2023 - Present

- Conducts and schedules weekly Human-Computer Interaction participant studies involving Data Visualization, Virtual Reality, Augmented Reality, Artificial Intelligence, and Machine Learning
- Records and manages participant data, employing advanced hardware including Hololens, Pupil Labs Core, and Empatica E4 alongside software including Unity, Visual Studio, and OBS

Front Desk Assistant | University of Florida Student Activities and Involvement

Gainesville, FL | August 2022 - Present

- Streamlines the registration, management, and scheduling of 1000+ student organizations using GatorConnect
- Problem-solves issues and questions with exemplary communication to maintain positive customer satisfaction
- Leads organization and data management projects to clean, analyze, and utilize organization data with Excel

PROJECTS

Minesweeper

"Programming Fundamentals 2" | December 2023

- Developed end-to-end Minesweeper game using C++ and Simple Fast Media Library (SFML)
- Applied Object-Oriented Programming principles to design, debug, and implement code for accurate game functionality
- Crafted a responsive and cohesive graphical interface to integrate user interaction with game mechanics
- Implemented efficient file input/output to manage and update necessary files to improve user-experience

Identifying the Future of Gainesville's RTS

"Foundations of GIS" | April 2023

- Analyzed geospatial and demographic data to improve public transportation access in low-income areas of Gainesville, FL
- Conducted conditional testing and buffer analysis, proposing placement of 42 new bus stops, with 46.7% located in food deserts
- Generated 4 ArcGIS Pro graphics of intersections of current and past bus stops/routes, food deserts, and low-income areas

Interactive Modeling of HIV in the United States

"Intro to Computational Math" | December 2022

- Visualized and analyzed HIV data across 22 demographic categories with a Jupyter Notebook tool
- Spearheaded development of an interactive and animated choropleth map using Python and Plotly Express
- Implemented advanced statistical analysis functionality, employing ANOVA and T-Test methods on specific datasets

LEADERSHIP

Webmaster | Kappa Kappa Psi Alpha Eta Chapter

Gainesville, FL | January 2024 - Present

- Updates and maintains [Chapter website](#) hosted on Github Pages, utilizing HTML, CSS, Python, and Git
- Manages digital Chapter archive and Slack to ensure appropriate organization of Chapter communication and documents
- Serves UF band and other local music programs through weekly volunteer work and musical involvement