Aidan Hurwitz

Last updated July 2026

aidan.hurwitz88@gmail.com amhurwitz.com jamesus88

Skills & Interests

Languages: Python, R, C++, SQL, JavaScript, HTML, CSS.
Technologies: Numpy, Pandas, Jupyter, LaTeX, RStudio, MongoDB, Flask (web dev), Keras, sci-kit learn, Matplotlib, Tensorflow

- Pure and Applied Mathematics, specifically linear algebra, statistics theory, and data visualization.
- Data collection and regression analysis, computational and visualization strategies for large, complex data sets.
- All things outdoors- hiking, camping, kayaking, mountain biking. Favorite National Park: The Great Smokey Mountains.
- Music, specifically *folk indie* but dabbles in everything. Plays guitar, violin, and piano regularly (see my website)!

Education

B.S. **University of Florida**, *Mathematics & Data Science double major* — Gainesville, FL, August 2023 – May 2027 (prosp.)

- GPA: **4.0/4.0**, minor in Environmental Science.
- **Favorite Coursework:** Linear Algebra (theory and for data science), Probability, Real Analysis & Advanced Calc., Regression Analysis, Environmental Science, Programming in R, Agricultural Ecology, Data Structures.
- Study Abroad (Summer 2025): UF in England - Statistics and Data Science research program working with Rothamsted Research Institute to perform **agricultural data science** methods and study take-all disease build-up in multiple long term wheat trials.
- Officer [2024-2025] and member of Honors Tabletop, the board game club for nerds!

Experience

Yale School of Public Health (BDSY), *NIH-Funded Researcher* — New Haven, CT, Summer 2026

- Studied Acute Kidney Disease by applying advanced bayesian statistical models to clinical trials.
- Advised under Dr. Bhramar Mukherjee and Dr. Fan Li to study statistics, bioinformatics, public health, and data science while also presenting original research findings.
- Collaborated with faculty and students to explore time-varying affects for alert systems in hospitals using a causal inference framework and implemented bayesian additive regression trees to estimate conditional average treatment effects and discover subgroup heterogeneity.
- Prepared oral presentation and poster board to be given at a Yale research symposium.

UF Department of Geomatics, *Research Assistant* — Gainesville, FL, August 2025 – Present

- Worked with Dr. Ben Wilkinson and PhD students conducting research in computer vision, image registration, and spatial resections.
- Produced deliverables to non-profits involved in coastal research on Florida Gulf.
- Wrote a custom algorithm to perform a space resection given n object points in $\mathbb{R}^3$ and n camera points in $\mathbb{R}^2$ using the Direct Linear Transform method and iterative gradient descent.

UF CLAS Academic Resources, *Mathematics Tutor* — Gainesville, FL, August 2024 – Present

- Prepared over **2000** UF students for success in their mathematics and statistics studies.
- Served as a mentor, tutor, study skills advisor, and crisis counselor for students.
- Led exam reviews, ran math tutoring labs, and held private appointments during both fall and spring semesters, from Statistics 1 and Trigonometry to Elementary Differential Equations.

UF College of Education, *Research Partner* — Gainesville, FL, January 2025 – May 2025

- Worked with Dr. Kent Crippen at the UF College of Education building lesson plans for high school chemistry and biology classes using 3d molecular modeling software.
- Implemented constructivist philosophy and data-driven science to guide students into discovery and scientific learning.