

ERIC VERDES

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EDUCATION

CORNELL UNIVERSITY | 3.75 GPA

Bachelor of Science in Information Science

Concentrations and Minor: Data Science & User Experience Design, Minor in Artificial Intelligence

May 2027 | Ithaca, NY

WORK EXPERIENCE

CORNELL UNIVERSITY — Ithaca, NY

Research Assistant, Computational Social Science Lab (*November 2025 - Present*)

- Analyze 100M+ user interactions across arXiv's AI-driven platform using Python, identifying behavioral anomalies and irregular access patterns to support research on AI's influence on information-seeking behavior
- Build and evaluate Random Forest classification models in Python/Scikit-learn achieving 87% accuracy in detecting multi-user devices, analyzing precision-recall metrics to assess false positive rates
- Engineer 80+ pairwise features from click-pair data using Pandas to identify behavioral patterns in session intervals, browser switching, and content access

ORION INNOVATION — Remote

User Interface Developer (*June 2025 - August 2025*)

- Developed score and progress-tracking features in Drupal for Michigan Medicine's diabetes transition platform, enabling providers to monitor assessment completion and support continuity of care during provider handoffs
- Conducted comparative evaluations of AI design-to-code platforms (Locofy, Figma MCP), analyzing performance, integration cost, and workflow efficiency to inform enterprise adoption decisions
- Empowered 30+ Orion XD team members by presenting AI design-to-code tools, driving innovation in UI/UX and automation through effective communication and professional development

PROJECTS

NBA Draft Data Analysis (*January 2025 - May 2025*)

- Web-scraped and engineered dataset of 1,200+ NBA player records (2004-2024) using R, standardizing 15+ performance metrics including VORP, minutes played, and career statistics for regression analysis
- Built linear regression models in R ($R^2=0.33$, $p<0.0001$) predicting player performance from draft position, revealing 67% of variance driven by non-draft factors and highlighting systematically undervalued late-round selections

Tennis House (*January 2024 - May 2024*)

- Developed full-stack e-commerce platform using PHP and SQL managing 30+ products with dynamic inventory tracking, order processing, and secure authentication
- Built tag-based filtering and real-time inventory updates enabling admins to efficiently categorize products and monitor stock changes

ATHLETICS & LEADERSHIP

NCAA D1 Tennis — Ithaca, NY

Varsity Men's Tennis (*August 2023 - Present*)

- Division I student-athlete managing 25+ hours/week training with full course load
- Qualified for NCAA Division I Doubles Nationals, becoming only the second team in Cornell men's tennis program history
- Selected for athletic leadership role facilitating mental performance initiatives across university departments

SKILLS

- **Languages:** Python, R, SQL, PHP, JavaScript, HTML, CSS, TypeScript
- **Tools and Concepts:** Scikit-learn, Pandas, NumPy, Matplotlib, Databricks, React, Docker, Drupal, Git/GitHub, Figma
- **Certifications:** Generative AI Fundamentals, Supervised Machine Learning: Regression and Classification
- **Interests:** Endurance sports, neuroscience, financial markets, travel (visited 24 countries), languages (bilingual)