NICOLAS MINGUEZ AGUIRRE

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EDUCATION

Redmond High School *Class of 2024*

Universidad Publica de Navarra (Study abroad) *Expected Grad: 2028*
B.S. in Data Science

PROJECTS

Blackjack Simulator *Blackjack*

- Developed a configurable Monte Carlo Blackjack simulation framework to execute reproducible experiments, quantify strategy performance using win-rate and bankroll metrics, and support data-driven comparison and visualization.
- Evaluated five Blackjack strategies over 10^6 simulated hands, finding that favorable house rules reduced house edge by $\sim 0.2\%$ and win rates clustered around $\sim 45\%$.

Multivariable Calculus, Visualized (Spanish) *Calculus*

- Created 2D and 3D animations in Python with the Manim library to visually explain multivariable calculus concepts for the Spanish-speaking audience.

Real Estate Photography Site *RENMA*

- Built a booking platform for real estate media using SvelteKit for the frontend and Firebase for the backend, implementing authentication, file storage, and serverless functions.

EXPERIENCE

Sturtevants Ski Shop - *Ski Technician* *2022–2024*

- Performed precision ski boot fittings and equipment maintenance as a certified technician for top ski brands, serving a diverse client base.
- Communicated technical product details clearly, building customer trust and supporting sales.

Curated.com - *Online Specialist and Advisor* *2024–2025*

- Delivered personalized product recommendations via a remote platform by analyzing customer needs and managing concurrent sales workflows.
- Assisted over 1,000 customers and consistently ranked in the top 2% of experts by customer satisfaction.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS, R
Spoken Languages: Native Spanish and English