Javier Linero-Quintana

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EDUCATION

Princeton University, Princeton NJ Expected May 2025

B.S.E. in Computer Science and Statistics & Machine Learning Certificate Concentration **GPA**: 3.9

Relevant Coursework: Algorithms & Data Structures, Computer Science: An Interdisciplinary Approach, Reasoning about Computation, Introduction to Programming Systems, Multivariable Calculus, Linear Algebra with Applications, Fundamentals of Statistics, General Physics I & II, Living with Artificial Intelligence.

Elizabeth High School – Frank J. Cicarell Academy June 2021

Activities: Computer Coding Club, Senior Class President, National Honor Society, Student Government, National Italian Honor Society.

Awards: Hispanic Scholarship Fund, AP Scholar with Distinction (2), Union County Certificate of Merit, 1st Place Contender at Italian Language & Culture Day Competition, NJ Governor Letter Commemorating Top 10 Students in the State. **GPA:** 4.93

INDEPENDENT RESEARCH

Undergraduate Research**: DALL-E Mini: Examination of Reinforced Stereotypes and Biases in Text-to-Image Generation Algorithms,** Dr. Will Penman Oct. 2021 – December 2021

- Executed 5,000 text-to-image iterations using Princeton's Adroit Clusters and an inference pipeline modeled by DALL-E Mini (Craiyon), contributing to the works of Buolamwini & Gebru, by answering the question, "To what extent do Text-to-Image Generation algorithms exhibit bias?" Using career occupations as inputs, exhibiting fair analysis in characteristics for the methodology, these algorithms present racial and gender underrepresentation.

EXPERIENCE

Computer Science Grader**, Princeton University,** Princeton NJ Sept. 2022 – Present

- Assessing student coursework in Java for the course: Computer Science: An Interdisciplinary Approach.
- Collaboratively reinforcing style etiquette at weekly meetings and providing complimentary and cordial comments to progress students through their semester.

Patient Care Coordinator**, Ocean's Orthodontics & Pediatric Dentistry,** Westfield NJ June 2022 – Sept. 2022

- Organized file directory under a Dolphin Management Server.
- Operated Insurance Verification and set appointments for patients.
- Communication over the phone line with new clients, patients, and prescriptions for pharmacies.
- Began web development for the website, using HTML, CSS, JavaScript, foreseeing a viable search engine.

ACTIVITIES

Hack4Impact – Software Developer Sept. 2022 – Present
- Undergoing a full stack bootcamp learning ReactJS and MongoDB to develop a product for a nonprofit partner in the upcoming year.

Princeton Rocketry Club – Active Controls Team Jan. 2022 – May 2022
- Contributing to the software development in writing an algorithm with Arduinos in C++ that allows for interpreting sensor data with quaternions to control the rocket's trajectory and landing.

American Cancer Society – Chaperone and Team Captain Sept. 2018 – June 2022
- Canned and fundraised at local supermarket stores, collectively raising over $70,000 to fund vital cancer research and helps cancer patients get support every year.

SKILLS

Technology: Expertise in Java, JavaScript, RStudio (Statistical Analysis), LaTeX, and Microsoft Office (Excel, PowerPoint, Word). Proficient in C/C++, Python, HTML, CSS, Adobe Photoshop, AUTOCAD, and MATLAB.
Workspace: Communication & Interpersonal Skills, Customer Correspondence, Telephone & Email Etiquette, Dental Insurance, Billing, and Terminology.
Languages: Spanish (Native), Italian (Fluent), Portuguese (Conversational).