

# Javier Linero-Quintana

[Javierlineroqa@gmail.com](mailto:Javierlineroqa@gmail.com) | 908-884-1032

## 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, 1<sup>st</sup> 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 (Crayon), 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

---

**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. 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).