Pedro Pontes García

pp457@cornell.edu # Ithaca, NY 14850 # pedropontesgarcia.com

Education

Cornell University, College of Arts & Sciences   2022 - 2026

B.A. in Computer Science   Ithaca, NY

GPA: 4.23 / 4.3

Relevant coursework: Computing with Python; OOP & Data Structures; Functional Programming & Data Structures; C++ Programming; Discrete Structures – Honors; Linear Algebra; Multivariable Calculus

➜ Davis UWC Scholar, Dean's List: Fall 2022, Spring 2023

United World College Red Cross Nordic (UWC RCN)   20220 - 2022

IB Diploma Programme   Flekke, Norway

IBDP score: 44 / 45

Skills

➜ **Languages and paradigms:** Python, Java & OOP, C++, OCaml & Functional Programming, HTML, CSS

➜ **Tools:** data science tools (numpy, matplotlib), Git & GitHub, Unix, LaTeX, MS Suite

➜ **Soft skills:** leadership over small and large groups, experience in public-facing positions, experience in team software projects, some experience in academic research, training in first aid and wilderness first response

Academic awards

➜ **Norway's National Young Researchers' Award, 2nd place**   Fall 2021 - Spring 2022

   »   42-page research paper on dynamical modelling of pendulums through ODEs and computational models

   »   Worked with research advisor on multiple drafts

➜ Bronze Medal at Baltic Sea Philosophy Essay Event, twice   Fall 2020, Fall 2021

Academic and project experience

Game Development in OOP & Functional Paradigms   Spring 2022 - Fall 2023

➜ Led a team of three in the development of a 2D game engine in OCaml using functional programming constructs

➜ Actively took responsibility over development, integration, maintenance and testing of core game engine modules

➜ Individually developed 3D terrain generation and rendering system in Java using OOP constructs

Teaching Assistant for Computer Science Department at Cornell   Spring 2022 - Present

➜ Received a private offer to join the department as a teaching assistant for the largest course in the department

➜ Responsibilities include facilitating lab sessions of 40 students, holding office hours, grading work from students, and holding one-on-one tutoring

Cornell Solar Boat Project Team   Fall 2022

➜ Worked in a subteam on implementing new motor, gaining hands-on experience with circuits and tailored software

➜ Developed new website along with new graphical assets for the project team

Leadership experience

Executive Board at Cornell Spanish Debate Society   Fall 2022 - Present

➜ Responsible over external communication and recruitment

➜ Debated in eight tournaments in the US, Canada, Panama and Colombia

➜ Multiple awards as debater including **top 1** in speaker category at US Novice Nationals 2023

Outdoor Instructor at Cornell Outdoor Education   Fall 2023 - Present

➜ Co-led an academic canoe course including a four-day trip with full responsibility over students' safety

➜ Received training in outdoor education models, risk assessment and management, and educational leadership

Languages

I speak fluent **Spanish**, **English**, and **Italian**; intermediate **French**; and elementary **Norwegian**.