

# Enzo Bergamo

enzobergamo.com | 936-223-4920 | ebergamo@seas.upenn.edu | linkedin.com/in/eabergamo

## EDUCATION

### University of Pennsylvania

Accelerated four-year, dual-degree program: B.S.E. + M.S.E.

Bachelor of Science in Engineering (B.S.E.) – Systems Science & Engineering (GPA: 3.85/4.00)

Master of Science in Engineering (M.S.E.) – Systems Science & Engineering

*Minor in Computer and Information Science, Mathematics*

May 2023

*Philadelphia, PA*

## SKILLS

**Technical:** Java, Python (NumPy, Pandas, Scikit-Learn, Pytorch), SQL, Git, R, Tableau, Microsoft Office (advanced Excel), LaTeX

**Languages:** English (fluent, native), Portuguese (fluent, native), Spanish (proficient), Italian (basic)

**Relevant Coursework:** CIS 545: Big Data Analytics, OIDD 245: Digital Economy Analytics, ESE 542: Statistics for Data Science, MATH 313: Computational Linear Algebra, CIS 121: Data Structures & Algorithms, ESE 303: Stochastic System Analysis, ESE 400: Engineering Economics, ESE 204: Decision Models, CIS 160: Mathematics for Computer Science

**Projects:** Drone route-planning using graph neural networks and reinforcement learning, flight delay data visualization/machine learning project, gun-violence data visualization project, State of the Union NLP data visualization project (available on personal website)

## PROFESSIONAL EXPERIENCE

### Research Assistant

June 2021 – Present

The Warren Center for Network & Data Sciences, University of Pennsylvania

*Philadelphia, PA*

- Conducts research focused on autonomous robot swarms making use of machine learning techniques (reinforcement learning, graph neural networks) with funding by Intel and the Army Research Laboratory
- Led weekly update presentations to a culturally diverse audience with members ranging from undergraduate students to faculty members
- Developed and executed three-month research plan in order to produce original research material
- Working paper: *Constrained Graph Reinforcement Learning for Unlabeled Motion Planning with Obstacles*

### Program Instructor

June 2021 – August 2021

Redefine

*Remote*

- Produced original content (slide decks, scripts, lesson plans) and worked as an instructor for Redefine, a summer computer science program focused on increasing diversity in the computer science workforce
- Developed individualized resources catered to specific student backgrounds, needs, and difficulties
- Identified through post-course surveys that the majority of students had a positive experience with the course staff and 71% became interested in pursuing a Computer Science degree

### CIS 110 Teaching Assistant

January 2021 – Present

Department of Computer and Information Science, University of Pennsylvania

*Philadelphia, PA*

- Led special Sunday Review Sessions to provide assistance for students that required additional help with the class content
- Conducted office hours (~ 100h/semester) for over 200 students in the introductory computer science class at Penn
- TA quality surveys were the highest amongst all first-year Computer Science courses

### Product Management Intern

July 2020 – August 2020

VTEX

*Remote*

- Devised a streamlined customer support experience to decrease the number of tickets in the help desk system resulting in a 15% decrease in number of new cases
- Conducted over 10 hours of interviews with current customers to understand major pain points of the product
- Discussed findings with a multidisciplinary cohort of interns and company stakeholders in order to develop a complete and viable solution

## LEADERSHIP & OTHER EXPERIENCE

### NCAA Division I Fencing Student-Athlete

September 2019 – Present

- Varsity athlete on the University of Pennsylvania Men's Saber Squad with a 15-hour/week practice commitment
- Previous results: Brazil National Team member, 2019 Pan-Am Games athlete, Brazil's national junior champion in 2018, individual 2nd place at the 2019 South American Fencing Championship

### Common Cents Operations Chair

September 2020 – Present

- Coordinates all operations (planning, logistics, technology) for 1.6 thousand members across eight higher education institutions at Common Cents, a financial literacy non-profit organization
- Analyzed and evaluated virtual and in-person event performances using Python scripts and BI tools (Tableau)

### Penn Engineering Orientation Peer Advisor Leader

May 2020 – Present

- Led a group of 10+ upperclassmen in assisting over 100 first-year students during their transition to Penn
- Mentored over 12 first-year students by sharing strategies for academic success and information about campus resources

### Penn World Scholar

September 2019 – Present

- Selected for exclusive program (10-15 students/year) organized by Penn which includes an extensive merit grant (~ \$50k/year)
- Developed leadership and interpersonal skills through activities with faculty and engagement with members from diverse backgrounds