Emma Ni

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EDUCATION

Cornell University, College of Arts & Sciences, Ithaca, NY   Bachelor of Arts Expected May 2025
Intended Major: Computer Science; Intended Minor: Business • GPA: 4.14

Montgomery High School, Montgomery, NJ   Sept 2017 – June 2021
GPA: 100.1071 • SAT: 1560 • SAT Math II: 800 • SAT Chemistry: 800
Awards and Honors: Valedictorian • National Merit Scholarship Commended Student • National Honor Society • Principal's Honor Roll (9th-12th grade) • AP Scholar with Distinction (score of 5 on 7 AP exams: Biology, Chemistry, Calculus AB & BC, Macroeconomics, Microeconomics, Language and Composition)

KEY COURSES

- Fall '22 Classes: Data Structures & Functional Programming • Discrete Structures • Probability • Marketing Principles
- Past Classes: Object-Oriented Programming and Data Structures • Linear Algebra • Introduction to Computing Using Python • Introductory Statistics • Financial Accounting

TECHNICAL EXPERIENCE

Cornell University Unmanned Air Systems (CUAir)   October 2021 – Present
Design and Operations Sub-Team Member
- Work on a student-run project team that designs, builds, and operates a custom unmanned aerial system capable of waypoint navigation, image processing, air delivery, target recognition and other autonomous operations to compete in an annual international collegiate competition
- Authored and designed first edition of a bi-annual newsletter to establish stronger connections with sponsors (Figma)
- Developing new internal recruitment portal to streamline the member recruitment process by centralizing tasks, organizing information, and implementing intuitive design (HTML, CSS, JS)

Human Performance Hackathon   June 10, 2022 – June 12, 2022
Leader and App Designer for Team *Dr. Chef*
- Led team discussions to brainstorm, debate, and identify key features for our prospective business *Dr. Chef* : an app providing flexible meal plans tailored to an individual's medical conditions and food preferences
- Delegated responsibilities and ensured team agreement on our vision and deliverables during the 24hr work period
- Wireframed and designed a Figma prototype to demonstrate our app's interface and functionality for our business pitch
- Earned $500 prize as the Most Feedback-Seeking team based on mentors' votes

LEADERSHIP EXPERIENCE

Vice President: Interact Community Service Club   Sept 2017 – June 2021
- Collaborated with local organizations to identify opportunities for Interact to participate in and contribute to charitable events that help local, regional, and international communities
- Managed club operations and addressed concerns from the general body to ensure smooth running of the club and equal opportunities for all members

Team Captain: Montgomery High School Varsity Fencing Team   Sept 2017 – June 2021
- Led team practices and coached teammates in physical, mental, and emotional aspects of fencing, leading to dominant performances as the top women's high school fencing team in NJ
- Awards & Accomplishments: *Most Valuable Player, NJ State Squad Champions, NJ State Individual Silver, Freshman of the Year*

Peer Leader   Sept 2019 – June 2021
- Counseled a group of 11 freshmen on topics such as self-esteem, microaggressions, substance abuse, and the high school community to promote academic success and empower students to develop social responsibility

SKILLS, TALENTS & INTERESTS

- Python • Java • Figma • Intermediate Spanish • Event Planning
- NCAA Division I Cornell Varsity Fencing (started at every competition in the '21-'22 season, competed at NCAA Regional Individual Championships)
- Piano (9 years of formal instruction, won High Honors at competitions, played recitals at Carnegie Hall)
- Art (pencil, watercolor, acrylic; 7 years of formal instruction)