

# RONA LIU-ZHONG

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## EDUCATION

Northeastern University, Boston, MA June 2028 (expected)  
*Candidate for Bachelor of Computer Science*  
*John Martinson Honors Program*  
GPA: 4.0, *Dean's List*

Radnor High School, Wayne, PA June 2024  
*Graduated Distinguished Honor Roll, Student Council Secretary* GPA: 3.97 (unweighted)

## SELECTED COURSES

Fundamentals of Computer Science 1, Discrete Structures, Multivariable Calculus, Linear Algebra, AP Calc BC, AP Statistics, AP Computer Science (Java), Principles of Computer Science Honors (Python), AP Physics (Mechanics, Electricity & Magnetism), AP Biology, AP Psychology

## EXTRACURRICULARS

SMILE Lab, Dr. Raymond Fu, Northeastern University  
Robotics Introductory Course, Northeastern University

- Built a motion-sensor mini-car and coded using C++ in Arduino

Give A Leg, Northeastern University

- Create a prosthetic leg prototype using Michigan's OpenSourceLeg and its API by 3D printing cost-friendly parts

Division I Women's Ultimate Frisbee, Northeastern University

## AWARDS AND ACHIEVEMENTS

National Merit Scholarship, 2024-2028  
Future Business Leaders of America (FBLA)

- Cybersecurity: 4<sup>th</sup> Place States, Participant National Leadership Conference in Atlanta, GA 2023
- Organizational Leadership: 1<sup>st</sup> Place Regionals

International SeaPerch Challenge 2022, 10<sup>th</sup> Place,

- Built an underwater sea rover capable of passing an obstacle course

Annenberg Science Symposium Group Presentation Award, 2023

- Presented research on heart rate variability and corresponding health wearables

AP Scholar with Distinction 2023; AP Scholar with Honor 2023  
HiQ, 2<sup>nd</sup> in Regionals, 2023  
Delaware Ethics Bowl, 8<sup>th</sup> Place, 2022  
Scholastic Gold Key Award, Poetry 2024  
Showstopper Dance Competition, Senior Girls 4<sup>th</sup> Place, NJ 2021

## LEADERSHIP

Honors Ambassador, John Martinson Honors Program, Boston, MA January 2024—Present

MATLAB Student Ambassador, MathWorks, Boston, MA January 2024—Present

Regional Director and Volunteer Teacher, Steel City Codes, Radnor, PA May 2022—August 2024

- Taught Python and Java to elementary school children via an interactive and interesting curriculum
- Coordinated with fellow directors and teachers to teach 5+ classes per summer

Captain, Radnor Girls Ultimate Frisbee, Wayne, PA August 2022—June 2024

- Organized and lead practices (4 days a week), games and tournaments to facilitate team growth
- Raised over \$500 dollars a season in fundraising to attend High School National Invite in 2022 and 2024

Secretary, Student Council of Radnor High School, Wayne, PA

- Directed events such as prom, pep rallies, mental health days, etc. for a student body of 300+ people
- Worked closely with fellow council members and staff to bridge the gap between the student body and administration

### **OTHER EXPERIENCE**

Notetaker, Northeastern Disability Access Center, Boston, MA

Sept. 2024—December 2024

- Create detailed, comprehensive notes for discrete structures and microeconomics to aid individuals learning

Cashier, CVS Health, Devon, PA

July 2023—January 2024

- Provided excellent customer service in a fast-paced retail environment that required multi-tasking

Intern, Children's Hospital of Philadelphia, Philadelphia, PA

July 2023—September 2023

- Worked with various machines, such as the Cytoflex and Elisa, and analyzed corresponding data
- Experimented with patient-derived xenograft (PDX) models

Volunteer, Main Line Chinese School, Wayne, PA

May 2022—August 2022

- Facilitated children's learning and growth through education and play
- Communicated efficiently through Mandarin Chinese to promote Chinese Culture to children

### **SKILLS AND INTERESTS**

Languages: Java, Python, Dr. Racket

IDEs: PyCharm, Visual Studio Code, Dr. Racket, Replit

(Spoken) Languages: Mandarin Chinese, Intermediate-level Spanish, English

Interests: Ultimate Frisbee, Charcoal Drawing and Oil Painting, Traditional Chinese Dance, YouTube Commentary Videos, How I Met Your Mother

Certificates: MATLAB OnRamp, Simulink OnRamp