

# RENA LI

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## EDUCATION

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### Carnegie Mellon University, School of Computer Science

*Candidate for B.S. in Human Computer Interaction & Minor in Psychology*

- Dean's List: High Honors (Spring 2021, Spring 2022)

Pittsburgh, PA

Expected 2024

### North Hunterdon High School

- Graduated June 2020, GPA: 4.2/4.0, SAT — Verbal: 750, Math: 800, ACT — 35

Annandale, NJ

## SKILLS & COURSEWORK

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**Coursework:** Imperative Programming, Functional Programming, Computer Systems, Interaction Design, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Probability Theory

**Computer Languages:** Python, C, SML, HTML & CSS, JavaScript, R

**Tools:** Figma, Github, Weka, LightSide

**Oral Languages:** Fluently speak Mandarin Chinese

## EXPERIENCE

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### Teaching Assistant (Lead TA)

*Introduction to Computer Systems (ICS / 15-213)*

May 2022 — Present

CMU - Pittsburgh, PA

- Streamlined coordination between students and TAs to create and manage an effective office hours schedule
- Lead 2-hour office hour sessions 3 times a week and a 1-hour recitation section once a week
- Grade student-submitted labs for style and schedule weekly code review appointments for 15-20 students
- Grade midterm and final exams twice a semester for 3-5 hours
- Assist professors during weekly lecture periods by answering student questions and distributing lecture materials

### Research Project Manager

*Computer Human Interaction: Mobility Privacy Security Lab*

March 2021 — August 2022

CMU - Pittsburgh, PA

- Managed a team of 2 research assistants by directing weekly update meetings with head professors, training and on-boarding new research assistants, and designating tasks and responsibilities
- Performed qualitative and quantitative analysis on 33.5K tweets using Python and R to gather design implications for the production of a grass-roots, bias-auditing tool
- Developed Python scripts to automatically pull Twitter conversations and conduct data and feature engineering
- Built Naive Bayes classifiers and support-vector machines using scikit-learn, Weka, and LightSide to classify the roles users and their tweets play within a user-driven audit
- Co-authored a paper for conference submission with research mentor and professors

## PROJECTS

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### Personal Website

Fall 2020

- Built a personal portfolio website with four webpages using HTML and CSS to showcase my projects, interests, and hobbies ([link](#))

### Dot!

Fall 2020

- Designed and implemented a digital bullet journal with an interactive task list, a graphical habit tracker, and a custom text editor using Python

## EXTRACURRICULAR ACTIVITIES

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College — Christians on Campus (Co-President)