RENA LI

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EDUCATION

Carnegie Mellon University, School of Computer Science — Pittsburgh, PA
Candidate for B.S. in Human Computer Interaction & Minor in Psychology — Expected 2024
• Dean's List: High Honors (Spring 2021, Spring 2022)

North Hunterdon High School
• Graduated June 2020, GPA: 4.2/4.0, SAT — Verbal: 750, Math: 800, ACT — 35 — Annandale, NJ

SKILLS & COURSEWORK

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

Teaching Assistant (Lead TA) — May 2022 — Present
Introduction to Computer Systems (ICS / 15-213) — 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 — March 2021 — August 2022
Computer Human Interaction: Mobility Privacy Security Lab — 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

Dot! (Project) — 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

College — Christians on Campus (Co-President)