

# SARAH ASHLEY YU

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## EDUCATION

### B.A. Biological Sciences

GPA: 3.57, High Honors

*Carnegie Mellon University – May 2021*

## SKILLS

- HTML, CSS, JavaScript, React.js, Node.js, Python, MongoDB
- English & Chinese (Native proficiency)
- Spanish (Intermediate proficiency)

## WORK EXPERIENCE

### Full-Stack Software Engineer | *Resilient Coders, Boston, MA*

*Aug 2023 – Present*

- Develop responsive websites using HTML and CSS, including replicas of prominent platforms such as the New York Times, the Atlantic, and the Huffington Post.
- Design dynamic full-stack applications using JavaScript, Node.js, and React.js, including a calculator, horoscope app, slot machine, and to-do list.
- Build and maintain databases with MongoDB, ensuring data security and scalability.
- Conduct rigorous testing and debugging to maintain and enhance website quality.
- Utilized Git and GitHub for collaborative work, version control, and project management.

### Freelance Academic Tutor | *Various Clients, Boston, MA*

*Mar 2021 – Aug 2023*

- Taught SAT/ACT math and reading, elementary math and reading, and math competitions.
- Designed customized learning plans to improve subject comprehension and critical thinking.
- Fostered engagement with interactive lessons and encouraged good behavior via positive reinforcement.
- Issued progress reports and arranged parent meetings to collaboratively set academic goals.

### Research Assistant | *Carnegie Mellon University, Pittsburgh, PA*

*Sep 2017 – Mar 2019*

- Researched human cognition and metacognitive illusions, generating quantitative and qualitative data.
- Conducted procedures on hundreds of research participants, while maintaining data integrity and security.
- Coordinated participant appointments, correspondence, and compensation, optimizing lab scheduling.
- Observed and recorded data, and maintained comprehensive records of activities and findings.
- Trained and onboarded new research assistants in research procedures.

## VOLUNTEER EXPERIENCE

### Secretary and Supplies Manager | *CMU Global Medical Brigades, Pittsburgh, PA*

*Sep 2019 – May 2021*

- Aided rural Panamanian communities with donations, health education, and water infrastructure projects.

### Founder and President | *CMU Science Olympiad, Pittsburgh, PA*

*Oct 2017 – May 2021*

- Promoted STEM access and diversity by hosting nationwide science tournaments for thousands of students.
- Received awards for educational outreach and organizational excellence, respectively:

*Gelfand Student Educational Outreach (2020) & Outstanding Student Organization Program (2019).*