

Joyce Fang

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EDUCATION

RENSSELAER POLYTECHNIC INSTITUTE | Troy, NY Expected Graduation May 2023
B.S. in Computer Science & Information Technology and Web Science (ITWS) GPA: 3.87/4.00
Awards & Honors: Rensselaer Leadership Award, Rensselaer Recognition Award, Dean's Honor List

COURSEWORK

Data Structures, Foundations of Computer Science, Web Systems Development, Computer Organization, Computer Science I, Multivariable Calculus and Matrix Algebra, Introduction to Differential Equations

SKILLS

C++, Python, JavaScript, HTML, CSS, MySQL, PHP

WORK EXPERIENCE

Girls Who Code | Teaching Assistant May 2020 – Present

- Taught over 150 students during the 2020 Virtual Summer Immersion Program
- Lead class time to teach fundamentals of Web Development using HTML, CSS, and JavaScript
- Facilitate Office Hours and virtual check-ins for student support
- Evaluate, grade, and provide informative feedback on student projects via Google Classroom
- Collaborate with corporate partners like Twitter, AT&T, & BlackRock to host virtual mentorship panels

Rensselaer Polytechnic Institute | Undergraduate Mentor for Computer Science Dept. Jan. 2020 – Present

- Teach the undergraduate level course CSCI 1100 to help students learn programming constructs like functions, conditionals, and loops
- Lead weekly office hours and lab sections for additional student support

PROJECTS

RPI Free & For Sale | Intro to ITWS Final Project | Project Lead & Developer Dec. 2019

- Developed a website dedicated to help RPI students buy and sell items
- Pulled real data from a database and designed page layout using HTML, CSS, & graphics

JJETrelief | HackRPI 2019 | Front-End Developer | Troy, NY Nov. 2019

- Created a website that updates the status of communities affected by natural disasters
- Designed a logo and modeled the wireframe of the website

ACTIVITIES & LEADERSHIP DEVELOPMENT

ACM-W Women in Computing | Web Master | Troy, NY May 2020 – Present

- Maintain professional and up-to-date appearance of website
- Manage all social media accounts to promote club workshops and networking events
- Communicate with Membership Chair to advertise ACM-W events and meetings to members

Resident Student Association | Treasurer of Cary Hall | Troy, NY Sept. 2019 – Mar. 2020

- Manage funds for residence hall programs and lead festive events to promote community engagement
- Coordinate event activities and organize food catering

ACHIEVEMENTS & AWARDS

Scholar of the Month, Eastern Regional High School | Voorhees, NJ June 2019

UPenn Summer Science Initiative on Materials Science & Engineering | Philadelphia, PA Aug. 2018

Congressional Art Competition | Washington, D.C. June 2018

- Placed first in District 1 of New Jersey for acrylic painting titled "Neighborhood"
- Recognized at awards ceremony in D.C. where artwork was displayed in U.S Capitol for 1 year

Scholastic Art & Writing Awards, South Jersey Art Region Winner | Newark, New Jersey Mar. 2018

All South Jersey Band, First Chair Flute/Piccolo Player | New Jersey Dec. 2016 – Mar. 2018