

ADENA RUSSEL

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EDUCATION

Academy of Information Technology and Engineering, Stamford, CT

Expected June 2021

- Will complete 14 AP courses. ACT: 34

EXPERIENCE

Student Researcher, Pacific Northwest National Laboratory (Remote)

October 2020 - Present

- Work with the Human-Earth Systems Science: Decisions Group within the Earth and Biological Sciences Directorate.
- Collaborating on a project involving research on clean energy policies in Ukraine and relevant European countries with a particular focus on urban heating.
- Developing background research, data compilation, maintain contacts and a mailing list, and conduct background research.
- Working on a project involving international collaboration on building energy codes (or regulations).

Intern, SoundWaters Summer Research Intensive

August 2020

- Participated in a two-week field research internship. Conducted water quality tests and analyzed wildlife in Long Island Sound.

Intern, Affectiva Summer Trainee Program

July 2020 – August 2020

- Learned about Machine Learning Applications. Participated in Makeathon using Affectiva's private software, Emotion AI SDK.
- Created a Zoom plugin to display emotion metrics for presenters and attendees.

Student, iResearch Institute

June 2020 – August 2020

- Worked to develop a research project related to bioinformatics (Identifying Key Driver Mutations Implicated in the Progression of Kidney Adenocarcinoma). Used R to statistically analyze thousands of gene samples and created gene regulatory networks and pathways.

Intern, Game2learn Lab, NC University System

June 2020 – July 2020

- Chosen as one of 30 interns from across the country (only one from CT).
- Created multiple STEM-related CS-infused lessons for teachers in North Carolina and South Carolina schools.

Regional Director, Innoverge, Stamford, CT

May 2020 – Present

- Founded the Stamford chapter of the international youth-led initiative, Innoverge (works with Ferguson Library)
- Creates computer science-related curriculum for middle-school-aged students, holds workshops and manages volunteers and communication.

Marketing Chair, Fed Up Global

March 2020 – Present

- Oversee and works with the marketing team at Fed Up.
- Responsible for promoting Fed Up's brand through various social media platforms. Fed Up is a youth-led international initiative which aims to destigmatize the attitude towards mental health through its various social media platforms.

Co-Founder and Tutor, Stamford Virtual Tutoring Service, Stamford, CT

March 2020 – July 2020

- Co-founded a virtual tutoring service for students at Dolan Middle School. SVTS provided free tutoring for all students who may have been lacking resources due to the COVID-19 pandemic.
- Volunteered as a math and science tutor.

Project Developer, LITAS for Girls

March 2020 – July 2020

- Worked with young women from across the country to develop a web-based application.
- Users input their zip code and case numbers, health advisories, and government Twitter feeds are displayed

Student Representative, AITE Student Government, Stamford, CT

September 2019 – Present

- Work on Homecoming and Prom committees, fundraising, and budget planning.

Web Designer, AR Web Design, Stamford, CT

September 2018 – Present

- Create custom websites for multiple local businesses and nonprofits.

President, Medical Mentorship, AITE

June 2017 – Present

- Elected as president freshman year and have shadowed multiple medical professionals.
- Handle all club communications (to students and medical professionals, Instagram, and website), recruiting. Club membership expanded from ~15 to over 40 students.

ACTIVITIES

SPEF Service-Learning Mentor • eBookBuddy with Catalyst Coalition • Stamford Hospital Volunteer • Stamford Virtual Tutoring Service (Co-Founder) • JCC Swim Instructor/Lifeguard • AITE Student Ambassador • Mayor's Youth Leadership Council • Girl Up! • Varsity rowing (Greenwich Crew/Connecticut Boat Club • New York Academy of Sciences: "1000 Girls, 1000 Futures" • National Honor Society • Sociedad Honoraria Hispánica • National Science Honor Society (Co-Vice President)

HONORS AND AWARDS

Barnard College STEM Book Award (2020) • National Science Honor Society (VP) (2020) • AP Scholar with Honor (2020) • National Honor Society (2020) • Stamford Board of Education Outstanding Achievement (2018) • Stamford Literary Contest - Honorable Mention (2020) • National Center for Women in Information Technology Regional Honorable Mention (2018) • Excellence in Project Lead the Way Human Body Systems (2018) • Spanish Honor Society (2018)

ACTIVITIES

Computer Languages: Python (1 yr.), GitHub (0.5 yr.), HTML/CSS (1.5 yr.), Java (1 yr.), JavaScript (1 yr.), R (1 yr.) ; Block based languages: (4+ yr.)

CERTIFICATIONS & COURSES

Shallow Water Certified Lifeguard (Red Cross, 2018) • Deep Water Certified Lifeguard (Red Cross, 2018) • Echo Hose EMT (Expected December 2020)