

ADENA RUSSEL

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EDUCATION

Academy of Information Technology and Engineering, Stamford, CT

Expected June 2021

- 14 Advanced Placement courses; ACT: 34
- GPA: UW 3.85/W 4.77
- Top 10/152 students (no official rank)

Cornell University, Ithaca, NY

Expected May 2025

- Major in Biometry and Statistics (Bachelors of Science)
- Enrolled in College of Agriculture and Life Sciences

EXPERIENCE

Research Intern, Pacific Northwest National Laboratory

October 2020 - Present

- Work with the Human-Earth Systems Science: Decisions Group within the Earth and Biological Sciences Directorate.
- Develop background research, data compilation, maintain contacts and a mailing list, and conduct background research.
- Assist with policy and training material research for over 15 European countries, working with USAID Ukraine.
- Conduct research on Nationally Determined Contributions (emissions) in India for paper (will be published May 2021).

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.
- Studied racial injustices pertaining to the areas surrounding the Long Island Sound.

Intern, Affectiva Summer Trainee Program

July 2020 – August 2020

- Coded in HTML/CSS, Python, Java, JavaScript.
- Learned about Machine Learning Applications and relations to AI.
- Participated in Makeathon using Affectiva's private software, Emotion AI SDK.
- Work with a team of undergraduates led by a PhD candidate.
- Created a Zoom plugin to display emotion metrics for presenters and attendees.

Student Researcher, 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.
- Wrote an abstract summarizing research and findings.

Summer 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.
- Led sessions during teacher professional development (for middle and high school teachers).

Project Developer, LITAS for Girls

March 2020 – July 2020

- Coded in HTML/CSS.
- 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.

Web Developer/Designer, AR Web Design

September 2018 – Present

- Create custom websites for multiple local businesses and nonprofits.
- Self-taught in web design and development.

ACTIVITIES

School: SPEF Service-Learning Mentor (Sept. 2019 - Jun. 2020) • AITE Student Ambassador (Sept. 2017 - Jun. 2021) • Mayor's Youth Leadership Council (Sept. 2017 - Jun. 2021) • Girl Up! (Sept. 2017 - Jun. 2021) • National Honor Society (May 2019 - Jun. 2021) • Sociedad Honoraria Hispánica (May 2018 - Jun. 2021) • National Science Honor Society, Vice President (May 2019 - Jun. 2021) • AITE Student Government, Treasurer & Representative (Sept. 2019 - Jun. 2021) • AITE Medical Mentorship (Sept. 2017 - Jun. 2021)

Out-of-school: eBookBuddy with Catalyst Coalition (Apr. 2020 - Aug. 2020) • Stamford Hospital Volunteer (Sept. 2017 - Jun. 2018) • Stamford Virtual Tutoring Service, Co-Founder (Mar. 2020 - Jun. 2020) • JCC Swim Instructor/Lifeguard (Jun. 2018 - Aug. 2019) • Varsity Rowing (Sept. 2016 - Aug. 2020) • Innoverge, Regional Director (Mar. 2020 - Jun. 2021) • Fed Up Global, Marketing Chair (Mar. 2020 - Dec. 2020)

AWARDS

NCWIT Aspirations in Computer Science - National Honorable Mention (2021) • 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) • NCWIT Aspirations in Computing Connecticut Regional Honorable Mention (2018) • Excellence in Project Lead the Way Human Body Systems (2018) • Spanish Honor Society (2018)

SKILLS

CS 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.)

Skills: creativity, interpersonal skills, critical thinking, problem solving, communication, collaboration, leadership, organization, teamwork.

CERTIFICATIONS

Shallow Water Certified Lifeguard (Red Cross, 2018) • Deep Water Certified Lifeguard (Red Cross, 2018) • CT & NREMT Certified EMT (Expected January 2020)