

Daniela Puchall

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EDUCATION

New York University, College of Arts and Science, May 2021

Major: Computer Science, Bachelors of Arts • Minor: Mathematics, Web Programming & Applications

Cumulative GPA: 3.46/4.0

Presidential Honors Scholar • Dean's List • Study Abroad: Australia (2019), Italy (2018)

TECHNICAL SKILLS

Coding Languages: Java, Python, C, JavaScript, CSS, HTML, PHP

Operating Systems: UNIX, LINUX

Other Applications: Microsoft Office Suite, Parsl (Parallel Scripting Library), Adobe Programs

Languages: English (native), French (conversational), Italian (beginner)

INTERNSHIP

Cybersecurity Intern: Deloitte Global Technology Services, Remote, July 2020

- Learned about current projects from CFO, Business Unit Leaders, and mentors
- Presented team innovation project on the use of blockchain for non-profit organizations to firm leaders

RESEARCH/LABORATORY EXPERIENCE

Dr. Glen Hocky Computational Chemistry Laboratory, New York University, Oct 2019 - Present

- Develop Python framework for parallel computing on colloidal structure and polymer simulations
- Utilize open source Python parallel programming library, Parsl, to improve organization of simulations
- New York University Dean's Undergraduate Research Fund (DURF) Recipient (2020)

Dr. Matthew Baker Laboratory, University of New South Wales, Sydney, Australia, Jan - May 2019

- Worked in School of Biotechnology and Biomolecular Science Laboratory facility
- Investigated and researched bacterial motility and evolution of the bacterial flagellar motor
- Trained in microbiology techniques, DNA nanotechnology, microscopy, Benchling, genomics
- Programmed and optimized microscope photography and video software

Dr. Ned Seeman DNA Nanotechnology Laboratory, New York University, Jan - Dec 2018

- Conducted research on guest molecules in self-assembling 3D DNA crystals
- Developed skills in problem-solving, DNA purification/extraction/annealing, crystallization techniques

LEADERSHIP EXPERIENCE

Cohort President: Net Impact NYU, Environmental Defense Fund, New York, Sept 2019 - May 2020

- Oversaw weekly meetings with a cohort of 20 undergraduate students
- Developed and implemented events to raise \$500 for nonprofit and environmental awareness at NYU

Product Development Assistant/Brand Ambassador, FLOAT/THERE, Remote, Oct 2019 - Jan 2020

- Assisted in front-end website management and design for a start-up company, FLOAT/THERE
- Promoted company in the NYU community through marketing campaigns and events

Finance Assistant, Secretary, & Rho Gamma, Alpha Sigma Tau, New York University, Sept 2018 - Present

- Participate in New York Dance Marathon to raise over \$607,000 for childhood cancer
- Volunteer with non-profit organizations such as EndAbuse4Good and Girls Who Code
- Publish weekly newsletter, assist VP of Finance with planning yearly budget
- Serve as mentor, guide, and leader during first virtual recruitment process at NYU

Welcome Week Leader & Global Peer Mentor, New York University, 2018 - 2020

- Led and organized orientation week for over 6,000 incoming students to NYU
- Served as a peer mentor and representative to help new students understand valuable resources available

VOLUNTEER EXPERIENCE

NYC Science Olympiad, NYU Women in Computer Science, Animal Haven NYC, Jan 2018 - Present