

Tasha Delacour

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KEY QUALIFICATIONS

Peace Corps Prep Candidate

Expected Completion: May 2020

Languages - English, French - fluent

Travel - Leysin, Switzerland; Berlin, Germany

Teaching Complex Subjects - laboratory techniques, biology, chemistry, mathematics, sociology, evolution

EDUCATION

University of Texas at Austin - Austin, TX

Expected Graduation: May 2020

Bachelor of Science and Arts

- **Major:** Biology
- **Minor:** Sociology

PROFESSIONAL EXPERIENCE

Dell Pediatric Research Institute - Austin, TX

August 2019 - Present

Volunteer Researcher (10-15 hours per week)

- Lab focuses on the development of advanced analytical chemical instrumentation, particularly mass spectrometry, for biomedical applications
- Provide assistance with a variety of laboratory and research procedures including FAME, PCR and gel-electrophoresis

The University of Texas at Austin - Austin, TX

September 2018 – December 2019

Research Mentor (20 hours per week)

- Instructed incoming freshman through their first research project
- Guided students in building a variety of semester-long research experiments
- Directed students in developing unique research questions
- Assisted students in developing feasible experimental procedures
- Set standards for laboratory techniques and procedures
- Supervised several small groups of 3-4 students to provide tailored support for individual students

The University of Texas at Austin - Austin, TX

June 2019 - July 2019

Summer Research Mentor (30 hours per week)

- Conducted research for High School Research Academy to collect data on branch chain fatty acids (BCFAs)
- Examined various bacterial cultures effects on the presence of BCFAs in specific substances
- Instructed students on advanced research techniques to increase their knowledge base and research skills

- Introduced students to sophisticated analytical technology used to understand their lab results

Gene Networks Laboratory - Austin, TX

January 2017 - December 2018

Student Researcher (10 hours per week)

- Produced valuable data that expanded the lab's understanding of how ribonucleoproteins' (RNPs) components function on a molecular level
- Personally studied the SUGP1 protein to evaluate its implication in RNA processing and metabolism
- Contributed to the growing understanding of the functions of RNPs in RNA processing and metabolism which are currently unknown

Praline - Bethesda, MD

May 2017 - August 2017

Barista (20 hours per week)

- Greeted customers and ensured customer satisfaction
- Took and filled orders in person and over the phone
- Organized displays and ensured visual standards were met

Wild Tomato - Bethesda, MD

August 2015 - August 2016

Hostess (12 hours per week)

- Organized and oversaw waitlist
- Ensured customer satisfaction during wait times

VOLUNTEER EXPERIENCE

Lasting Empowerment for Teen Success (L.E.T.S.) - Austin, TX

May 2019 - Present

Active Member (3-5 hours per week)

- Act as a steady, positive presence for vulnerable incarcerated youth ages 12-18
- Provide mentorship for teenagers at Gardner Betts Juvenile Detention Facility
- Create lesson plans that assist teens in learning new skills
- Guide teens in processing grief and past trauma

Smithsonian Museum of Natural History - Washington D.C.

August 2014 - August 2016

Volunteer (8 hours per week)

- Assisted in both the Discovery Room and the Human Genome Exhibit
- Mentored children ages 12 and under in a new program "Q?rius" to instill a passion for research and scientific study
- Educated children in specific scientific and historical concepts such as microscope use, evolution and natural selection
- Led activities and lesson plans for visitors
 - Created a DNA helix model and demonstrated how to follow a trait wheel
 - Explained how taste receptors vary using Phenylthiocarbamide (PTC) strips

Red Cross Club - Bethesda, MD

September 2013 - June 2014

Volunteer (1 hour per week)

- Provided assistance for elderly individuals

ACTIVITIES AND LEADERSHIP

Toca Football Club - Bethesda, MD

August 2010 - August 2016

Team Captain

- Elected captain by peers
- First womens' soccer team at Toca Football Club

Whitman's Feminist Coalition - Bethesda, MD

September 2015 - June 2016

Co-Founder (2 hours per week)

- Mediated discussions about controversial topics such as sexual assault and gender identity
- Founded with support from school administration

AWARDS

President's Education Awards Program - Bethesda, MD

2016

Walt Whitman High School

- Recognition of outstanding academic excellence

Certificate of Merit - Bethesda, MD

2016

Walt Whitman High School

- Recognition of completion of requirements established by the Montgomery County Board of Education

AP Scholar with Honor Award - Bethesda, MD

2015

College Board

- Recognition of exemplary college level achievement on advanced placement program examinations

PROFESSIONAL SKILLS

Computer Skills: Microsoft Office, Open Office, Excel, R Studio coding, Zoom, Prezi, Slack, GroupMe

Social Media: Twitter, Facebook, Instagram

Laboratory Skills: PCR, gel-electrophoresis, FAME, centrifuge, vortex, Gas chromatography–mass spectrometry, nanodrop, affinity tagging, site-directed recombineering, ApE