

Daniel Fang

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EDUCATION

University of Utah

Master of Science in Computer Science

Salt Lake City, UT
August 2021 - Present

University of Utah

Bachelor of Science in Biomedical Engineering

GPA:3.87/4.00

Salt Lake City, UT
Graduated: May 2019
Dean's List 2015-2019

Hillcrest High School

Honors Advanced Diploma and International Baccalaureate Diploma

National Merit Scholarship Recipient, National AP Scholar

Midvale, UT
Graduated June 2015

SKILLS AND QUALIFICATIONS

- Computer Programs/Languages: Microsoft Office, HTML, CSS, Java, JavaScript, Python, C, C#, SQL
- Languages: English (Fluent), Spanish (Proficient), Chinese (Proficient)

RESEARCH EXPERIENCE

Dr. Odelberg/Zhu Lab – Eccles Institute of Human Genetics

Lab Technician

Salt Lake City, UT
September 2019 – Present

- Tested and interpreted biochemistry laboratory protocols, including tissue sampling, polymerase chain reaction (PCR), qPCR, Western blot, and gel electrophoresis.
- Certified by the Institutional Animal Care and Use Committee (IACUC) in the safe handling and care of mice.
- Analyzed and screened diseases such as Multiple Sclerosis and Diabetes in hundreds of mice tissue samples with confocal microscopy.
- Completed surgeries and dissections of mice, including injection through various portals in the body and induction of experimental autoimmune encephalomyelitis (EAE).

Dr. Ambati Lab – Moran Eye Center

Lab Aide

Salt Lake City, UT
October 2015 – June 2019

- Tested and interpreted biochemistry laboratory protocols, including tissue sampling, polymerase chain reaction (PCR), qPCR, Western blot, and gel electrophoresis.
- Maintained an entire colony of mice with skills such as weaning, breeding, and euthanizing the mice.
- Certified by the Institutional Animal Care and Use Committee (IACUC) in the safe handling and care of rabbits and mice.
- Analyzed and screened ophthalmological diseases in hundreds of mice eyes with Optical Coherence Tomography (OCT) and Fluorescein Angiography (FA) with the Heidelberg Spectralis instrument.

COMMUNITY SERVICE

Salt Lake City Mission

Volunteer

Salt Lake City, UT
August 2020 – Present

- Packaged groceries and other food for donation to homeless people and needy families.
- Coordinated other volunteers in preparation of donation bags and adjusted responsibilities as needed.

AWARDS/HONORS

- President's Resident Scholarship: Full tuition + housing at the University of Utah for 8 semesters
- Undergraduate Research Opportunity Program (UROP) grant recipient: May 2018 – December 2018
- Undergraduate Research Scholar Designation (URSD) – May 2019