

CIVIL ENGINEERING STUDENT NAME

(123) 456-7890

civil.student@usu.edu

linkedin.com/in/studentname

EDUCATION

M.S. Hydraulics and Fluid Mechanics

Utah State University (USU)

May 2022

GPA: 4.0

B.S. Civil Engineering

Utah State University

May 2021

GPA: 3.82

ENGINEERING PROJECTS

Hydraulics of Closed Unit Course

Utah Water Research Laboratory

October 2021 - December 2021

Logan, UT

- Analyzed a water supply system to determine the operating conditions necessary to maintain required flows and avoid cavitation damage
- Created a program capable of estimating the timing and magnitude of peak pressure transients in systems with varying characteristics and surge protection

Green Infrastructure Course

USU Department of Civil and Environmental Engineering

May 2021 - August 2021

Logan, UT

- Worked with a team of 4 other students to design a green infrastructure retrofit capable of capturing 90th percentile storm on a 28-acre commercial site

Senior Design Project | Dam Design

USU College of Engineering

August 2020 - May 2021

Logan, UT

- Designed a 200-ft dam to provide 10,000 acre-ft of water storage
- Performed a literature review and hydraulic calculations to size a stepped spillway capable of passing the design flood
- Analyzed 50 years of hydrologic data to determine required flows for fish passage, the need for pumps, and potential storage losses

RELEVANT EXPERIENCE

Research Assistant

Utah Water Research Laboratory

January 2018 - Present

Logan, UT

- Draft construction and report drawings, assist in construction, and collect and analyze data for physical model studies. These models include:
 - 1:25 scale model of a 285-ft concrete arch dam and surrounding topography
 - 1:4 and 1:6.75 scale models of pump stations, modifications, and sump designs
- Perform physical tests and CFD modelling to quantify the variation in minor losses in 6 geometrically similar pipe elbows

Undergraduate Student Research

USU Department of Civil and Environmental Engineering

September 2020 - May 2021

Logan, UT

- Co-authored a report and journal article detailing factors in the development of active transportation infrastructure along canal corridors

Service Chair

USU Chapter - American Society of Civil Engineers

August 2019 - May 2020

Logan, UT

- Planned a networking event involving over 90 students and professionals