

Abby Chapman

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EDUCATION

University of Texas at Austin

MS, Environmental and Water Resources Engineering

Austin, TX

August 2024 – Present

Texas A&M University

*BS, Honors Environmental Engineering,
GPA: 4.0*

College Station, TX

August 2020 – May 2024

RESEARCH EXPERIENCE

Kumar Lab, University of Texas at Austin

Graduate Research Assistant

Austin, TX

August 2024-Present

- Conducting research partnered with GivePower on incorporating lime softening into reverse osmosis drinking water treatment systems

McKay Lab, Texas A&M University

Undergraduate Research Assistant

College Station, TX

January 2022-May 2024

- Conducted independent research regarding UV/Chlorine treatment of pharmaceuticals and personal care product contaminants

AWARDS AND HONORS

National Science Foundation Graduate Research Fellowship Program

April 2024

University of Texas at Austin Cockrell School of Engineering Graduate Fellowship

April 2024

American Water Works Association Hazen & Sawyer Scholarship

April 2024

Environmental Engineering and Science Foundation Scholarship

July 2024

Atkins Realis Foundation Scholarship

February 2024

Texas A&M University Fluor Civil Engineering Scholarship

August 2022

Texas A&M University Zachry Engineering Scholarship

August 2020

Texas A&M University President's Endowed Scholarship

August 2020

EMPLOYMENT HISTORY

Westwood Professional Services, Inc.

Site Design Intern

Plano, TX

May 2024-September 2024

- Assist in the site design of both battery energy storage systems (BESS) and solar energy projects
- Gained proficiency in AutoCAD and Civil 3D software
- Performed Spill Prevention Control and Countermeasure (SPCC) site visits in AZ and TX

Kimley Horn and Associates*Environmental Engineering Intern*

Dallas, TX

May 2023-July 2023

- Assisted in various projects relating to water treatment and distribution systems
- Completed water treatment plant, wastewater treatment plant, and construction site visits
- Gained expertise in AutoCAD and Civil 3D software

Texakoma Oil and Gas Operations*Engineering Intern*

Plano, TX

May 2022-August 2022

- Shadowed in weekly engineering group meetings
- Assisted in drilling and other engineering-based projects throughout the summer.

CERTIFICATIONS

Engineer in Training Certification

June 2024

*Texas***Environmental Sustainability Professional (ENV SP) Certification**

February 2024

LEADERSHIP AND INVOLVEMENT

Global Child Advocate*Administration Volunteer*

September 2024-Present

Engineers Without Borders*General Member*

June 2024-Present

Water Mission*Regional "Champion" Volunteer*

June 2024-Present

American Water Works Association*Texas Section Student Member*

April 2024-Present

Texas A&M University Mathematics Department*Student Grader*

August 2023-May 2024

Zeta Tau Alpha, Theta Gamma Chapter*General Member, STAR Team, Philanthropy Team*

August 2020-May 2024

Declaration Church*Covenant Member*

November 2022-May 2024

Halliburton Engineering Study Abroad Program*Study Abroad Student, Aix-en-Provence, France*

May 2022-June 2022

Texas A&M Fish Camp Counselor*Co-Counselor*

March 2021-October 2022

SKILLS

AutoCAD • Civil3D • ArcGIS Pro • Excel • High Performance Liquid Chromatography (HPLC)
• UV-Vis Spectrometry •