

KYLE JUETTEN

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SUMMARY

I am a graduate student at the University of Texas at Austin seeking a PhD in Analytical Chemistry with a focus on biological mass spectrometry. I am passionate about applying novel methods for the systematic investigation of biomedical issues.

EDUCATION

PhD (Current), Analytical Chemistry, University of Texas, Austin, TX, expected June 2025

Bachelor of Science, Chemistry, Western Washington University (WWU), Bellingham, WA, GPA: 3.75

RELEVANT PROFESSIONAL EXPERIENCE

Graduate Research Assistant (Brodbelt group), University of Texas, Austin, TX, August 2020-Current

- Specialized in the analysis of proteins through top-down mass spectrometry methods.
- Assisted in developing a workflow protocol for the implantation of a new capillary electrophoresis system.
- Worked as an instrument manager and made appropriate repairs to the Velos and Elite mass spectrometer systems.

Analytical Scientist, Seattle Genetics, Bothell, WA, June 2019-September 2019

- Performed qualitative control assessments for the development of novel cancer directed antibody-drug conjugates.
- Developed a protocol for the evaluation of a new isoelectric focusing instrument
- Assisted in the screening of proposed workflow modifications

Undergraduate Research Assistant, WWU Chemistry Department, Bellingham, WA, December 2017-Current

- Collaborated with a team of three undergraduate students to research the properties of freshwater chromophoric dissolved organic matter in northwest lake systems.
- Designed and implemented experiments for characterization of nearby marine and terrestrial contributors.
- Analyzed data sets through computational methods such as Microsoft Excel, PARAFAC, and Origin Lab.
- Organized statistics and prepared figures for publication in an academic journal.

RELEVANT SKILLS

- Liquid Chromatography
- Mass Spectrometry
- Capillary Electrophoresis
- Programming (Python, R)
- Data Visualization