

RACHEL ELIZABETH WASHINGTON

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Intrapreneur, motivated, and team-oriented. Recent graduate of Emory University Master of Science and GA Tech Boot Camp. Life-long learner and passionate problem solver from computer engineering to chemistry.

TECHNICAL STRENGTHS

Computer Languages	Python, JavaScript, HTML, and CSS
Technical Tools	Visual Studio Code, LaTeX, Jupyter Notebooks, and GitHub

EDUCATION

Willamette University B.A. in Chemistry Honor Societies: Phi Beta Kappa and Mortar Board Thesis Title: Oxidation of estradiol by structural Fe(III) in redox-reactive nontronite (NAu-1) Description: Studied how clay minerals interact with estrogen in aquatic environments which can ultimately feminize male fish.	<i>August 2015 - May 2019</i>
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Emory University M.S. in Chemistry Advisor: Dr. Francesco Evangelista Thesis Title: Utilizing Multireference Driven Similarity Renormalization Group to Study 3d Transition Metal Atoms and Hydrides Description: Analyzed transition metal chemistry by creating Python scripts to generate input files for open-source quantum chemistry software and interpret data.	<i>August 2019 - January 2022</i>
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Georgia Institute of Technology Full-Stack Web Development Coding BootCamp Java Script, HTML, and CSS	<i>December 2021 - March 2022</i>
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HONORS AND AWARDS

Sandia National Laboratories Top Geosciences Student Presenter 2018 One of three students and the only undergraduate student recognized for demonstrating the ability to effectively communicate their research across scientific disciplines.

Frances Chapple Physical Chemistry Scholarship 2017-18 Awarded to the student that demonstrates the high comprehension and excellent academic achievement in physical chemistry.

TEACHING EXPERIENCE

Emory University <i>Quantum Chemistry Lab Teachers Assistant</i>	August 2021 - December 2021 <i>Atlanta, GA</i>
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- Helped students trouble shoot problems with Python code, analyze calculations, and graded with detailed feedback weekly assignments.

Willamette University <i>Physical Chemistry 1 Tutor</i>	August 2018 - December 2018 <i>Salem, OR</i>
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- Held weekly tutoring session for students, provided assistance for homework assignments, and helped students gain new problem solving skills.

WORK EXPERIENCE

Sandia National Laboratories <i>Geochemistry Summer Student Intern</i>	August 2014 - August 2019 <i>Albuquerque, NM</i>
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- Learned how analyze data, read scientific literature, and communicate research.