

Hayley Johanesen
Pacific University
2012 Harold Zeh Award Recipient



Hayley Johanesen was the recipient of the 2012 Harold Zeh Award. She graduated from Pacific University in 2013 *summa cum laude* with a B.S. in Chemistry and a minor in Mathematics. She was also awarded Outstanding Chemistry Senior of the Year. While at Pacific, she conducted research with Dr. Dave Cordes on the optical properties of quantum dots. She also participated in a summer REU program at Portland State University, where she conducted research with Dr. Andrea Goforth on the emission mechanism of silicon nanoparticles. She presented this research at the ACS National Meeting in spring 2013.

She attended graduate school at the University of Oregon and received a Master's degree in Chemistry, with a focus on Semiconductor Device Processing and Photovoltaics, in 2014. She has worked at Thermo Fisher Scientific (formerly FEI) since 2014. She is currently an Applications Manager in the Materials & Structural Analysis division, and her work focuses on developing new automated electron microscopy solutions for the semiconductor industry. In her job, she has had the opportunity to travel around the world and has also presented her work at ASMC and SPIE.