

Avi Vaidya

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EDUCATION

Vanderbilt University

Master of Public Health

Nashville, TN

Class of 2022

Auburn University

Bachelor of Chemical Engineering, Summa Cum Laude

Auburn, AL

Class of 2020

PROFESSIONAL EXPERIENCE

Oak Ridge National Laboratory

Intern – Carbon and Composites Group

Oak Ridge, TN

Summer 2017 and 2018

- Worked with Dr. Soydan Ozcan on a variety of sustainability and public safety projects over the course of two summers within the Materials Science and Technology Division at ORNL.
- Key project from 2017 was to create filaments for a 3D printer using recycled plastics and fibers. The group successfully produced viable filaments which have eliminated over 3 tons of plastic waste in additive manufacturing sites across the country.
- Key project from 2018 was to characterize materials for the battery compartment of an electric vehicle. Led a group of interns through a comprehensive analysis of mechanical and thermal properties of various carbon fiber materials.
- Worked extensively with Microsoft Excel, CAD software, 3D printers. Improved my teamwork and technical communication skills while developing an insight into a variety of public safety issues.

Auburn University Office of Undergraduate Admissions

Student Recruiter

Auburn, AL

August 2017-May 2020

- As a student recruiter I discussed the opportunities that the university offers with students and their families. Responsibilities include giving campus tours, advising high school counselors on the admissions process, and working special events for the university.
- Met with consulting firms in order to revamp the recruitment process and update the virtual tour options during the COVID-19 pandemic. Earned the Student Recruiter of the Year distinction for the 2019-2020 academic year.

Senior Design: Ethylene Oxide Production

Capstone Project

Auburn, AL

August 2019 – May 2020

- Successfully designed and optimized a case for the production of 50,000 tonne/y of 99.5 wt% ethylene oxide while adhering to industry constraints. Project deliverables included a thorough written report and economic analysis as well as a 30-minute oral presentation.

EXTRACURRICULAR ACTIVITIES

Auburn University Student Government Association (SGA)

- Senator - College of Engineering, Chairman of Academic Affairs Committee (2018-2019)
- Auburn University Dean of Libraries Search Committee (2019)
- Director of Freshman Forum (2017-18)
- Freshman Senator (2016-17)

American Institute of Chemical Engineers (AIChE)

IMPACT Volunteer Coordinator – Pine Hills Literacy Project

Society of Engineering Executive Development (SEED)

Omicron Delta Kappa (ODK) Honor Society

SCHOLARSHIPS AND AWARDS

Spirit of Auburn Presidential Scholarship – Full Tuition and Fees, valued at \$40,000

Plainsman Prestigious Scholarship: Vulcan Materials Co. – Awarded at \$20,000

John W. and Rosemary K. Brown Annual Scholarship – Awarded at \$2,500 per year

Christopher B. and Tracy Roberts Annual Scholarship - Awarded at \$2,500 per year

Pumphrey Award – Awarded at \$100 per year