

Hugh Vo

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EDUCATION

The University of Texas at Austin, Austin, Texas

May 2027

Bachelor of Science in Chemical Engineering, Electronic Materials Engineering Track

GPA: 3.974

ACADEMIC EXPERIENCE

Wang Materials Group, Austin, Texas

Jan 2024 – Present

Undergraduate Research Assistant

McKetta Department of Chemical Engineering

- Conduct independent investigative research under PI Wennie Wang, focusing on the properties of photocatalysts using first-principles calculations enabled by high-performance computing at Texas Advanced Computing Center
- Utilize computational methods such as density functional theory (DFT) and tools like Quantum ESPRESSO to analyze surface energy waveband cutoffs, gaining experience in concepts such as solid-state physics, electronic structures, and quantum mechanics
- Collaborate weekly with materials research group, actively participating in meetings and presentations

ACTIVITIES AND HONORS

American Institute of Chemical Engineers - Member

Aug 2024 – Present

- Engage with a premier professional association that promotes excellence in chemical engineering and advances the profession
- Participate in continuing education programs, certification opportunities, and industry networking events to enhance professional skills and knowledge

Texas Material Scientists and Engineers - Member

Aug 2024 – Present

- Contribute to the development and growth of the materials science and engineering community in Texas through active participation in research, education, and professional initiatives
- Attend conferences, engage in academia-industry collaboration, and access resources focused on technical advancements in the field

Institute of Electrical and Electronics Engineers - Member

Aug 2024 – Present

- Engage in electrical and electronic engineering initiatives, contributing to knowledge exchange and collaboration within the field
- Participate in technical workshops, networking events, and conferences aimed at professional development and skill enhancement

Scholarships, The University of Texas at Austin

- Robert S. Braden Endowment
- Carole V. and Johnny R. Warren Endowed Scholarship in Engineering

University Honors, The University of Texas at Austin

Aug 2023 – Present

- Selected for University Honors by maintaining a semester GPA greater than 3.5

SKILLS

Soft Skills: Communication, Leadership, Organizational, Teamwork, Time Management

Technical Skills: Bash, Microsoft Office 365, Python, VBA

Languages: Conversational Spanish

Work Eligibility: Eligible to work in the U.S. with no restrictions