



Ben Pearson

I am a senior at UCSB majoring in applied mathematics with a minor in statistics and probability. My interests lie at the intersection of machine learning and optimization, focusing on improving grid reliability and energy storage systems to help facilitate the transition to renewable energy for an environmentally friendly energy infrastructure.



Tiffany Lowry

I am from the Houston area and am currently pursuing a B.S. degree in Computer Engineering at Texas A&M University in College Station, Texas. My areas of interest in research and technology are varied. My current research interests include the development of secure energy systems, signal processing, and network communications.



Calvin Adams

My name is Calvin and I'm a junior studying electrical engineering at the University of Kentucky. While studying at UK, I have become interested in printed circuits and antenna design work and am interested in going to graduate school to learn more. In my present research job, I have spent a couple of years pursuing my interests by designing radio-frequency printed circuits for wireless communication. I look forward to working at the University of Denver because I will get to build on my experiences and work with new people who have expertise in relevant backgrounds. Outside of research, I have a strong passion for playing chess as well as tennis



Francie Green

My name is Francie Green and I am from Cincinnati, Ohio. I am a second year Chemical Engineering student at Ohio State University. I am currently working in a solid-state inorganic chemistry lab researching battery materials. I am interested in inorganic chemistry research with a focus on sustainability, specifically with renewable energy materials.



Luca Montoya

I first became interested in power systems after a snowstorm in high school severely disrupted the grid in my community, where low-income and minority neighborhoods were disproportionately affected. At Swarthmore College, I'm majoring in engineering and sociology because I care about how technical decisions shape real communities. My engineering interests focus on control systems and their role in maintaining renewable-based energy grids, and I hope to continue bridging sociological insight with practical engineering solutions.



Vi Eicher

Vi Eicher is a rising senior at Emory University pursuing a Physics BS and planning to pursue a Mechanical Engineering PhD with a focus on renewable energy systems. They have conducted photometry research at Emory and work in the Complex Rheology and Biomechanics Lab at the Georgia Institute of Technology throughout the academic year. Current research interests include mechatronics and renewable energy, and specifically, utilizing hydropower to strengthen the grid.



William Gorgas

I am a 3rd year undergraduate physics student at the University of Toledo with a strong background in Computer Science. My current research is in optimizing microlens enhanced mobile microscopy, however I am pivoting towards my career goal in quantum computing this summer at the University of Denver--researching power grid optimizations with quantum algorithms.



Masa Kasem

My name is Masa Kasem. I am originally from Syria, but I was born and raised in Kuwait. I am currently a junior majoring in Mechanical Engineering at the University of Texas at Dallas. I am passionate about sustainable and renewable energy and hope to build a career in the energy sector, where I can apply engineering principles to practical challenges that improve environmental sustainability and city-scale performance while contributing to innovative solutions for more efficient and resilient communities.



Erick Paredes

My name is Erick Paredes, I was born and raised in Santa Barbara, California. I am a transfer student from SBCC where I got associates degrees in computer science and in engineering. I am currently a junior electrical engineering student at UCLA. Within electrical engineering my research interests are in robotics and control systems.



Joaquin Beraun-Leon

I am a sophomore at the University of Denver studying Electrical Engineering with minors in Math, Physics, and Computer Science. As a first-generation Peruvian American student, I am deeply involved on campus through SHPE, LSA, Tri-Alpha, and our newly founded robotics team. My research interests include smart cities, power grids, renewable energy, and mechatronic systems. I am passionate about leveraging these technologies to build more sustainable solutions for future generations.



Darren Bonifacio

My name is Darren Bonifacio, and I am a rising senior at the New Jersey Institute of Technology in Newark, NJ. I come from Stafford Township in Ocean County, NJ. I'm an Electrical Engineering major with hands-on experience in machine learning and optical research, and I help lead my university's IEEE student branch. I am particularly interested in expanding my knowledge of power systems and energy storage, with a focus on applications in the power grid, renewable energy technologies, and possibly vehicle electrical systems. As a strong advocate for environmental sustainability and alternative energy, I'm especially motivated to apply my skills toward developing cleaner, more efficient energy solutions. With that, I am ready to expand my knowledge at the University of Denver's Summer REU program!