



SHPE UF



Corporate Database

2024 SHPE National Convention

Anaheim, California



DEAR SHPE FAMILIA,



Juan Valderrama
SHPE-UF President 2024-2025

As we celebrate SHPE's 50th anniversary, I'm confident that we all share a unique sense of excitement for the largest gathering of Hispanics in STEM: the **2024 SHPE National Convention**. This year's event promises to be the biggest and most memorable yet, hosted in Southern California — a location that pays homage to SHPE's earliest roots.

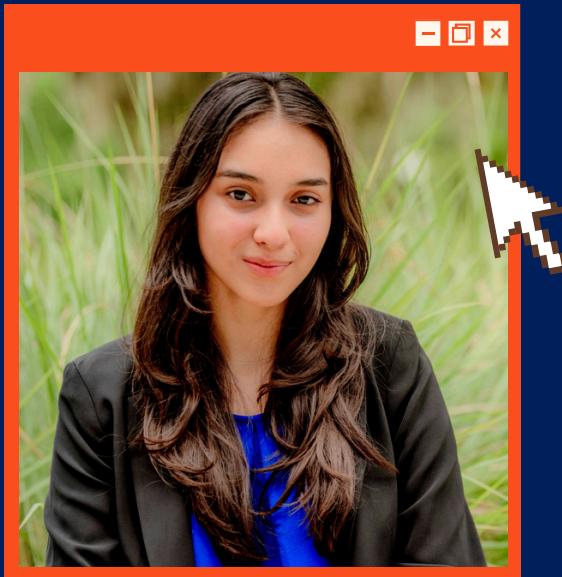
Every year, as chapter leaders across the nation prepare to send students to the Convention, one question always rises to the top: *How can I maximize my chances of securing a job offer?* While the answer is never simple—often a mix of experience, passion, and sometimes luck—there is one factor that can significantly improve the odds: *preparation*.

At the University of Florida, we emphasize the importance of researching your “dream” companies and graduate schools ahead of the Convention. This preparation not only boosts your success in the recruitment process, but it helps you connect with the values and culture of organizations, potentially turning a good experience into the perfect fit.

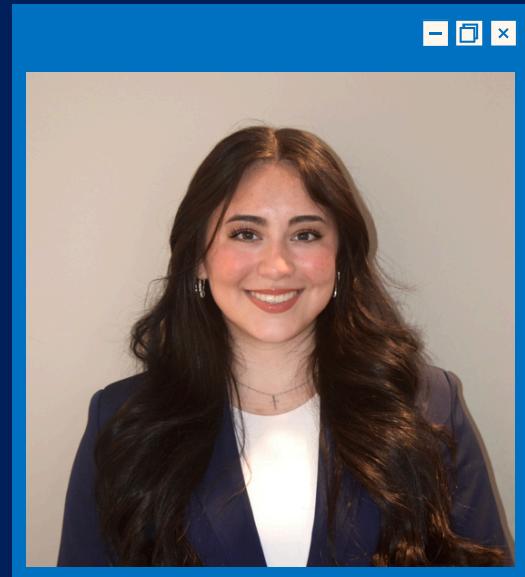
On behalf of the University of Florida's SHPE chapter, I am thrilled to present the **2024 Corporate Database**, an invaluable resource to help you and your chapter's members prepare for the National Convention. In this document, you'll find essential information about each attending company, applicant requirements, and potential career opportunities. Our Corporate Database team has worked tirelessly to compile this information with precision, detail, and relevance, and we hope this resource helps boost your confidence and success at this year's incredible celebration of Hispanics in STEM.



The Team



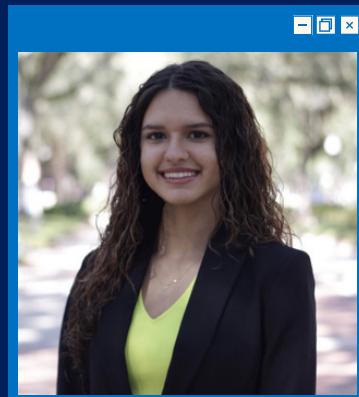
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SHPE-UF
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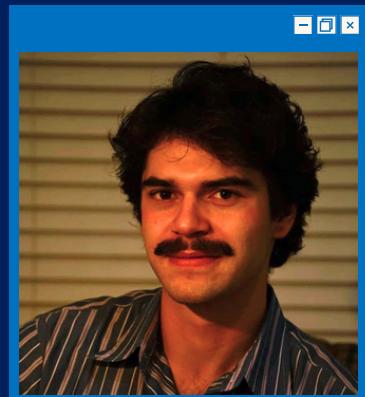
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Introduction

Dear SHPE Member,

This Database is intended for you to use as you look to navigate the professional world. It is distributed for free and as an aid for you and the rest of our members to get acquainted with the companies attending the 2024 SHPE National Convention in Anaheim, California. Your feedback matters to us. We look forward to your questions, opinions, and suggestions at vpcorporate.shpeuf@gmail.com.

Sincerely,
Alexandra Tabares

Alexandra Tabares



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UNIVERSITY/COMMUNITY

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Carnegie Mellon University
Clemson University
CodePath.org
Columbia Engineering
Colorado School of Mines
Cornell University
Dartmouth Engineering
Duke University
Embry Riddle Aeronautical University
Florida International University - College of Engineering
Georgia Institute of Technology
German Academic Exchange Services
Harvard Business School
Harvard School of Engineering and Applied Science
Iowa State University
Johns Hopkins University - Engineering Management
Johns Hopkins Whiting School of Engineering
Lehigh University - P.C. Rossin College of Engineering
MEMPC
MIT Chemical Engineering
MIT Leaders for Global Operations / MIT System Design and Management
MIT Office of Graduate Education
MIT School of Engineering
Missouri University of Science and Technology
National Center for Women and Information Technology
New Jersey Institute of Technology
New Mexico Tech
Northeastern University
Northwestern Master of Science in Law
Northwestern University
New York University Center for Data Science
New York University Tandon School of Engineering
Oregon State University
Pennsylvania State University, College of Engineering
Purdue University, College of Engineering
Rensselaer Polytechnic Institute
Rice University
RTI International
Southern Methodist University, Lyle School of Engineering
Texas A&M University
Tufts University
University of California, Berkeley
University of California, Irvine, Samueli School of Engineering
University of Chicago Pritzker School of Molecular Engineering
University of California, Los Angeles CEED
University of California, Los Angeles Division of Graduate Education
University of California, Los Angeles Engineering
Online Master of Financial Engineering
University of Buffalo, State University of New York
University of California, Berkeley
University of Central Florida
University of Colorado Boulder
University of Illinois
University of Iowa, College of Engineering
University of Maryland - Engineering
University of Maryland, Baltimore County
University of Miami, College of Engineering
University of Michigan
University of Michigan College of Engineering
University of Nebraska - Lincoln
University of Pittsburgh - Swanson School of Engineering
University of Southern California - USC Viterbi
University of Texas at Arlington
University of Texas at Dallas
University of Texas Rio Grande Valley
University of Virginia
University of Washington Allen School of Computer Science
University of Washington, Molecular Engineering
University of Washington - College of Engineering
Utah State University
Vanderbilt University School of Engineering
Villanova University
Virginia Tech - College of Engineering
Worcester Polytechnic Institute
Yale Engineering



GOVERNMENT/NONPROFIT

- AEOP Internships and Fellowships
Aerospace Corporation
The Activate Global
Amtrak
Applied Research Lab. at Penn State
Applied Research Lab. at the University of TX
Arete
Bonneville Power Administration
Caltrans
Casualty Actuarial Society
Centers for Disease Control & Prevention
DKMS
DoD SMART Scholarship Program
Draper
EPRI
FBI - Workforce Planning Unit
Fluor Marine Propulsion, Inc.
Georgia Transmission Corp.
Idaho National Laboratory
Inclusive Engineering Consortium
Jefferson Lab
Johns Hopkins Applied Physics Laboratory
The Lawrence Livermore National Laboratory - LLNL
Linux Foundation
The Los Alamos National Laboratory
MIT Lincoln Laboratory
Minnesota Dept. of Transportation
Mitre
NASA
National Energy Technology Lab. (NETL)
National Geospatial Intelligence Agency
National Renewable Energy Laboratory
Naval Facilities Engineering Systems Command
Navy Civilian Careers
New York Independent Systems Operator
NIST
NNSA Graduate: Fellowship Program
NOIRLab/US ELTP
Oak Ridge Institute for Science & Education
Oak Ridge National Laboratory
Pacific NW Na'l. Lab.
Rewriting the Code, Inc.
San Francisco Public Utilities Commission
SLAC Nat'l. Accelerator Lab.
Society of Women Engineers
Somos, Inc.
Tennessee Valley Authority
Texas Dept. of Transportation
US Extremely Large Telescope Program



INDUSTRY PARTNERSHIP COUNCIL

The Industry Partnership Council (IPC) is an integral part of the Society of Hispanic Professional Engineers (SHPE), whose mission is to change lives by empowering the Hispanic community to realize its fullest potential and impact the world through STEM awareness, access, support, and development.

For nearly 20 years, our Industry Partnership Council has been instrumental in our growth, allowing over 10,000 Latina/os to have greatly benefited from SHPE's programs and resources. Together, we have provided thousands of Latina/os career opportunities and increased the number of students pursuing STEM in our continued collective effort to diversify the workforce of today and the future.



I.P.C

3M	Delta	Lam Research
Abbott	Discover	Leidos
Accenture	Dominion Energy	Lenovo
Air Force Research Laboratory	Dow	Lockheed Martin
Air Products & Chemicals	Dupont	Medtronic
Amazon	Eaton	Micron
American Express	Edwards	Microsoft
America's Navy	Eli Lilly	Mortenson
Amsted	Exxon Mobil	Motorola
Ansys	Ford	NASCAR
Apple	General Dynamics	Northrop Grumman
ASML	GE Aerospace	Nucor
BAE Systems	GE Vernova	Proctor & Gamble
Bank of America	General Motors	PepsiCo
Bechtel	Google	Qualcomm
Boeing	Granite	Rockwell Automation
Boston Scientific	Henkel	RTX
Cadence	HII	SoCalGas
Capital One	Honeywell	Southern Company
Carrier	HP	Texas Instruments
Cargill	IBM	UPS
Caterpillar	Ingersoll Rand	USAA
Chevron	Intel	Veolia
CIA	Jacobs	Wabtec
Cummins	John Deere	Wells Fargo
Danaher	Johnson & Johnson	Woodward



ABOUT

3M (Minnesota Mining and Manufacturing Company) is a multinational conglomerate founded in 1902, known for its innovation and diverse product range. It produces over 60,000 items across industries like consumer goods (e.g., Scotch Tape, Post-it Notes), health care (medical devices), industrial safety (PPE), and electronics. 3M is a global leader in research and development, holding thousands of patents, and operates in more than 70 countries. Its commitment to innovation, efficiency, and sustainability has made it a prominent player in various sectors.

EXAMPLE PROJECTS

3M has worked on numerous innovative projects, such as developing advanced personal protective equipment (PPE) like N95 respirators, which became crucial during the COVID-19 pandemic. They also pioneered reflective materials for road safety, used in traffic signs and vehicle markings, and created sustainable adhesives for reducing environmental impact. Another key project is their work in healthcare, developing wound care products and dental technologies to improve patient outcomes. Additionally, 3M has contributed to energy efficiency by creating films that enhance the performance of solar panels.

BUSINESS MODEL

3M's business model is centered on innovation and diversification, producing a wide range of products across various industries, from consumer goods to healthcare and industrial markets. The company invests heavily in research and development to create new technologies and improve existing ones, allowing it to maintain a strong portfolio of patents. 3M operates globally, leveraging its broad distribution network and strong customer relationships. It focuses on sustainable practices and continuous product improvement, driving growth through efficiency, adaptability, and market expansion.



MAJORS

- Chemical Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Materials Science & Engineering
- Mechanical Engineering

LINKS



Career



News



Abbott



ABOUT

Abbott is a global healthcare company specializing in medical devices, diagnostics, nutrition, and pharmaceuticals. Founded in 1888, it's known for innovations like glucose monitors, cardiovascular devices, and Similac infant formula. Operating in over 160 countries, Abbott focuses on improving patient outcomes through advanced healthcare solutions and sustainable practices, addressing global health challenges with cutting-edge technology.

EXAMPLE PROJECTS

Abbott has developed several impactful projects, including the FreeStyle Libre continuous glucose monitoring system, which allows diabetes patients to monitor glucose levels without finger pricks. The company created the MitraClip, a minimally invasive device for treating mitral valve regurgitation, and launched PediaSure to support children's nutritional needs. Additionally, Abbott's rapid COVID-19 tests provided quick and accurate results during the pandemic, showcasing its commitment to advancing healthcare and improving lives globally.

BUSINESS MODEL

Abbott's business model focuses on innovation and diversification across four main segments: medical devices, diagnostics, nutrition, and pharmaceuticals. The company invests significantly in research and development to introduce advanced healthcare technologies and operates in over 160 countries to reach diverse patient populations. Committed to sustainability and corporate responsibility, Abbott aims to improve healthcare access and enhance the quality of life globally.



Abbott

MAJORS

Biomedical Engineering

Chemical Engineering

Computer Engineering

Computer Science

Electrical Engineering

Industrial & Systems Engineering

Mechanical Engineering

LINKS



Career



News



Accenture

ABOUT

Accenture is a global professional services firm specializing in consulting, technology services, and outsourcing. Founded in the 1950s, it serves clients across various industries, including finance and healthcare. Accenture focuses on improving organizational performance through innovative solutions and digital transformation, emphasizing sustainability and corporate responsibility. By leveraging technologies like artificial intelligence and cloud computing, Accenture delivers value to its clients while driving positive change in communities.



EXAMPLE PROJECTS

Accenture has executed several notable projects that demonstrate its expertise in digital transformation. For example, it partnered with a major airline to implement a cloud-based solution that improved customer experience and streamlined operations. In healthcare, Accenture helped a pharmaceutical company develop a data analytics platform to accelerate drug research. Additionally, it worked with a global retailer to optimize its supply chain using AI and machine learning, enhancing efficiency and reducing costs. These projects highlight Accenture's commitment to delivering impactful solutions across diverse industries.

BUSINESS MODEL

Accenture's business model focuses on offering professional services, including consulting, technology solutions, and outsourcing, through five main segments: Strategy & Consulting, Digital, Technology, Operations, and Industry X. By leveraging advanced technologies like artificial intelligence and cloud computing, Accenture helps organizations drive digital transformation and improve efficiency. The firm emphasizes innovation and sustainability, aiming to create long-term value for clients while positively impacting communities worldwide.

MAJORS

 Biomedical Engineering

 Chemical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



ABOUT

AECOM is a global engineering and infrastructure firm that offers services in architecture, engineering, construction management, and environmental consulting. Founded in 1990, it has played a key role in shaping infrastructure projects worldwide, including transportation systems and sustainable urban development. AECOM emphasizes innovation and sustainability, using advanced technologies and data-driven solutions to address complex challenges for public and private sector clients, ultimately enhancing the quality of life in communities globally.

EXAMPLE PROJECTS

AECOM has undertaken notable projects such as the Dubai Water Canal, transforming it into a vibrant mixed-use development, and the LAX modernization project, enhancing infrastructure and passenger experience. The firm also plays a key role in the New York City Subway's East Side Access project, connecting the Long Island Rail Road to Grand Central Terminal to improve transportation efficiency. These projects highlight AECOM's commitment to sustainable and resilient infrastructure development.

BUSINESS MODEL

AECOM's business model emphasizes integrated solutions in engineering and infrastructure, operating across key areas like architecture, engineering, construction management, and environmental consulting. By leveraging advanced technologies and innovative practices, the company addresses complex urban development and sustainability challenges. AECOM collaborates with public and private sector clients to deliver tailored solutions that enhance project efficiency, with a strong commitment to sustainability and resilience to create lasting value for communities worldwide.



MAJORS

 Biomedical Engineering

 Chemical Engineering

 Environmental Engineering

 Industrial & Systems Engineering

 Mechanical Engineering

LINKS



Career



News



Air Force Research Labs

ABOUT

The Air Force Research Laboratory (AFRL) is the U.S. Air Force's primary organization for scientific research and development, established in 1997. AFRL advances aerospace technology across various disciplines, including materials science, avionics, and cyber operations, to support national security. By collaborating with industry, academia, and other government agencies, AFRL develops innovative solutions and focuses on technology transition and rapid prototyping, ensuring the Air Force maintains its technological edge in a rapidly evolving global landscape.

EXAMPLE PROJECTS

The Air Force Research Laboratory (AFRL) is advancing aerospace technology through several key projects. Notable initiatives include the Next Generation Air Dominance (NGAD) for future air superiority fighters, the Autonomous Flight Safety System (AFSS) to enhance UAV safety, and research in hypersonics for vehicles exceeding Mach 5. AFRL is also developing directed energy weapons, focusing on high-energy laser systems for air defense, and exploring the integration of quantum computing and artificial intelligence to improve decision-making capabilities, underscoring its commitment to innovation and technological superiority.

BUSINESS MODEL

The Air Force Research Laboratory (AFRL) operates on a business model focused on innovation, collaboration, and technology transition to enhance U.S. Air Force capabilities. It conducts research across various scientific disciplines and partners with industry, academia, and government entities to leverage external expertise. By prioritizing rapid prototyping and technology transition, AFRL ensures that advancements are quickly integrated into operational use, maintaining the Air Force's technological edge in a dynamic defense landscape.



MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Electrical Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering

LINKS



Career



News



Air Products & Chemicals

ABOUT

Air Products and Chemicals, Inc., commonly referred to as Air Products, is a multinational industrial gases and chemicals company that provides a wide range of products and services to various industries. The company's primary focus is on supplying gases and chemicals essential for a wide range of industrial processes and applications.



EXAMPLE PROJECTS

Air Products has been instrumental in developing and supplying hydrogen fueling infrastructure for the automotive industry. They have worked on the installation of hydrogen fueling stations for fuel cell electric vehicles (FCEVs) in multiple countries, contributing to the growth of hydrogen-powered transportation.

BUSINESS MODEL

Air Products' business model is built on a foundation of providing essential industrial gases, chemicals, and services that support a vast array of industrial processes and applications. Its commitment to innovation, safety, environmental responsibility, and customer satisfaction has made it a leading player in the global industrial gases industry.

MAJORS

Chemical Engineering

Electrical Engineering

Environmental Engineering

Industrial & Systems Engineering

Materials Science & Engineering

Mechanical Engineering

LINKS



Career



News



Amazon



ABOUT

Amazon.com Inc is one of the largest and most diversified multinational technology companies. Amazon's vast and diverse range of businesses and services has made it a prominent player in the technology and e-commerce sectors, with a significant global presence and customer base. Its commitment to innovation, customer-centricity, and continuous expansion has helped it become one of the most influential companies in the world.

EXAMPLE PROJECTS

Amazon Go is a cashier-less grocery and convenience store concept that uses advanced technology such as computer vision and sensors to enable a frictionless shopping experience. Amazon has been expanding this concept to more locations.



MAJORS

- Aerospace Engineering
- Chemical Engineering
- Computer Engineering
- Computer Science
- Civil Engineering
- Electrical Engineering
- Environmental Engineering
- Industrial & Systems Engineering
- Mechanical Engineering

BUSINESS MODEL

Amazon's business model is built on customer-centricity, operational efficiency, and continuous innovation. It aims to provide a wide selection of products and services while leveraging technology to improve the customer experience and drive growth in various sectors.

LINKS



Career



News



ABOUT

Amentum is a global leader in engineering, project management, and logistics services, providing innovative solutions for critical missions in defense, energy, and environmental sectors. With a focus on technical expertise, operational excellence, and sustainability, Amentum supports government and commercial clients worldwide, delivering services that enhance security, infrastructure, and resilience. Its mission entails "bringing advanced engineering and technology solutions to the most significant challenges in science, security and sustainability."

EXAMPLE PROJECTS

Amentum has led key projects like nuclear waste cleanup at the Savannah River and Hanford Sites for the U.S. Department of Energy, operational support for NASA's Kennedy Space Center, and comprehensive logistics for U.S. military bases. They also provide expertise to the Defense Threat Reduction Agency, helping reduce global WMD threats. These efforts highlight Amentum's expertise in defense, energy, space, and environmental sectors.

BUSINESS MODEL

Amentum's business model focuses on delivering engineering, project management, and logistics services through long-term contracts with government clients, particularly in defense, energy, and environmental sectors. They generate revenue by providing mission-critical solutions that enhance operational readiness, sustainability, and efficiency for complex global challenges.



MAJORS

-  Aerospace Engineering
-  Chemical Engineering
-  Computer Engineering
-  Computer Science
-  Civil Engineering
-  Electrical Engineering
-  Environmental Engineering
-  Industrial & Systems Engineering
-  Materials Science & Engineering
-  Mechanical Engineering
-  Nuclear Engineering

LINKS



Career



News



American Express



ABOUT

American Express is a multinational financial services corporation primarily focused on payment cards and related financial products and services, such as credit and charge cards, membership rewards, travel services, and financial and banking services. The company has been increasingly focusing on digital transformation and fintech innovations.

EXAMPLE PROJECTS

American Express has recently implemented AI & data analytics to personalize the cardmember experience. Recent initiatives include American Express' expansion of the "Pay It Plan It" feature for flexible payment options, the launch of the American Express Business Blueprint platform for small businesses, and the implementation of blockchain technology for improved rewards redemption and fraud prevention.

BUSINESS MODEL

American Express's business model emphasizes high-quality customer service, premium benefits, and customer loyalty, primarily targeting higher-income and premium cardholders. Their "closed-loop" model differentiates them by allowing control over issuing cards, acquiring merchants, and processing transactions. The company has been investing heavily in digital capabilities and expanding its offerings for small businesses and younger consumers.

AMERICAN EXPRESS

MAJORS

 Computer Engineering

 Computer Science

 Industrial & Systems Engineering

LINKS



Career



News

