

ACADEMIC BACKGROUND

Drexel University

Philadelphia, PA

Bachelor of Science in **Biomedical Engineering** with Concentration in **Biomechanics**

Graduated: Jun 2016

ACADEMIC/EXTRA CURRICULAR ACHIEVEMENTS

Dean's Scholarship from 2011 - 2016

Drexel University Engineering **Dean's List** 2014, 2015, 2016

Won Honorable Mention for project regarding a **TRAIL Surfaced Modified Hydrogel** in 2016

Member of **Engineers Without Borders** 2011 – 2016

Performed Kathak South Asian dance at concerts for **Taalim Dance School** from 2009 - 2016

EXPERIENCE

HighPoint Solutions, LLC

Senior Technical Associate

East Norriton, PA
Jun 2016 – Present

- Assist clients from the worldwide Biotech industry in verifying whether computer quality management systems are in compliance with the FDA and ISO standards, and Transparency requirements

CLIENTS:

Boehringer Ingelheim

Technical Analyst

Ridgefield, CT
Dec 2017 – Present

- Developed IQ/OQ/PQ protocol documents for configurable software systems
- Trained in GAMP 5 based CSV methodology, 21 CFR Part 11, GxPs and EMA regulations

Johnson & Johnson

HCC&P, Global Transparency Management

New Brunswick, NJ
Oct 2016 – Nov 2017

- Responsible for overseeing the PMO process implementation in support of the HCC&P Global Transparency Management Program, which includes the implementation of a global system solution through phases of deployment.

McNeil Consumer Healthcare – Johnson & Johnson

Technical Operations Engineer

Fort Washington, PA
Sept 2014 – March 2015

- Supported restart of over the counter (OTC) drug liquids manufacturing plants undergoing FDA consent decree
- Managed \$135K Environmental Health & Safety compliance project to protect plant personnel and eliminate safety risks
- Developed redlined P&ID drawings, managed daily construction activities, prepared cGMP quality documentation

Sunoco Inc.

Health & Safety Specialist

Lester, PA
Sept 2013 – March 2014

- Upgraded medical surveillance requirements for 6 business groups by evaluating exposures to toxic/ hazardous substances in the workplace that targeted prevention.

Sunoco Inc.
Retail Engineer

Lester, PA
Sept 2012– March 2013

- Project manager for projects in the retail engineering group involving engineering and coordination of enterprises/upgrade programs
- Improved equipment and site development by evaluating durability, performance, and reliability of multiple projects and systems
- Used AutoCad to assist in creation of Sunoco construction drawings

PROJECTS

ASTM Standard Testing for Intervertebral Body Fusion Devices (2017)

Performed tests set forth by ASTM F2077 (unconstrained axial compression and unconstrained compression shear) to determine mechanical properties of intervertebral spinal fusion devices. Utilized MTX Minibionix II to conduct the tests and MATLAB to analyze the data.

Senior Design: Human Safety System for SpaceX Hyperloop System (2015-2016)

Designing a novel prototype of a functional Hyperloop system by addressing aerodynamic, suspension/pneumatic, and human safety constraints which was submitted to SpaceX Inc.

TRAIL Surface Modified Hydrogel (2015-2016)

Attached TRAIL to a surface modified hydrogel to minimize Foreign Body Responses and improve function of biomedical devices.

Surgical Stabilizing Glove (2014)

Designed a surgical glove that would use accelerometers and dampers to eradicate hand tremors. Created Creo models of the suggested device and speculated the constraints, design specifications, and any unintended consequences.

Camera Shutter Speed Modification (2012)

Used Pro/Engineer to create an innovative shutter for a disposable camera. Shutter was printed with a laser printer and tested for efficiency.

AMP – The Artificial Muscle Prosthetic (2011)

Designed a prosthetic arm that uses artificial muscles and various electro-active polymers to eliminate risks/issues with current prosthetics.

VOLUNTEER AND COMMUNITY SERVICE

Kennedy Health Systems
Research Assistant

Berlin, NJ
May 2015 – September 2015

- Worked in ER department closely with medical staff, observed several procedures and had direct contact with patients and family

The Food Trust
Coordinator of Heart Smarts Screening Program

Philadelphia, PA
June 2014 – September 2014

- Directed a blood pressure screening package with the Heart Bucks incentive for individuals
- Counseled participants of the program on hypertension and smoking cessation
- Collected data for Jefferson University in hopes of monitoring trends in public health outcomes