

SAMANTHA SWIDER

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EMPLOYMENT

Merck, *Engineering Specialist - Validation*, West Point, Pa Feb. 2023 - Current
-Supports ongoing periodic re-evaluation for 2 dozen stainless steel portable tanks, 8 Cold Vaults, vial washers, and dry heat tunnels to ensure optimal performance and compliance for the organization

- Oversees tank maintenance and passivation schedule by working cross functionally with EM&U, Ops, and external vendors to meet the expedited timelines during B29 Shutdowns
- Supports Deviation Management team by authoring QNs associated with equipment deviations resulting in reports outlining root cause, point of occurrence, and potential CAPAs
- Managed a significant change that reduced the dose audit frequency of our RotaTeg tubes from three months to a full year per ANSI Requirements
- Authored a new Validation Master Plan (VMP) for B29 process simulations

Merck - Vaccine Manufacturing Start-Up, *Operations Specialist*, West Point, Pa July 2021 - Feb. 2023

- Performed commissioning, qualification, and cycle development activities to drive process improvement
- Drafted, executed, and approved commissioning and qualification protocols
- Designed and implemented over two dozen 3D printed parts to address safety and process optimization concerns
- Worked cross functionally with West Point Site Quality to create new gowning and material transition flows for the facility
- Created SOPs for new processes within the building and performed in person trainings for new technicians
- Collaborated on a team to write electronic batch records and eLogs
- Performed Lock out Tag outs on our equipment for Cleaning Validations
- Ran the shop floor for 2nd shift by leading and managing the technicians

Infineum - Exxon Mobil & Shell Joint Petroleum Additives Manufacturing Venture, *Manufacturing Engineering Co-Op*, Linden, NJ Sept. 2020 - Dec. 2020

- Worked on ongoing projects to improve and optimize run times
- Managed several purchase projects to improve site safety and equipment reliability
- Completed Hazard and Operability studies and risk assessments to identify action items to create a safer and efficient work environment

Johnson and Johnson (NeoStrata), *Quality Assurance Co-Op*, Skillman, NJ Jan. 2020 - July 2020

- Maintained and facilitated trackers for change controls
- Performed and reviewed first article inspections of product to release salable batches
- Optimized and monitored the Epicor lot release process
- Worked with cross functional partners and manufacturing sites to optimize a process for Certificate of Analysis and Certificate of Compliance document management and long term storage

Johnson and Johnson (Consumer), *External Manufacturing Source Quality Assurance Co-Op*, Skillman, NJ July 2019 - Jan. 2020

- Optimized the Non-Conformance and Investigation Tracker for the EMQA Source team
- Led weekly meetings to monitor the progress of investigations and ensure timely completion
- Maintained and optimized the Raw Material Out of Specification notification
- Reviewed and approved Decorated Component Specifications and worked with Packaging Engineers to update Specs
- Created and sent out Obsolete Spec Reports to Sites

Xu Lab: Laboratory of Nanomedicine and Healthcare Biomaterials, *Research Assistant*, Newark, NJ Dec. 2017 - May 2018

- Analyzed HPLC results to determine drug release over time
- Performed stoichiometric calculations to create solvents for experimentation
- Managed proper material disposal and enforced safe laboratory standards according to State and Federal Standards

EDUCATION

New Jersey Institute of Technology Sept. 2017 - May 2021

Bachelors of Science in Engineering Chemical and Materials Engineering 2021

Affiliations: Albert Doorman Honors College Scholar; Cross Country Track and Field : Student Athlete; NJIT Green: Co-Founder; American Institute of Chemical Engineers (AIChE) : Social Media Coordinator

Villanova University Aug. 2022 - Current

Masters of Science in Engineering Biochemical Engineering

Relevant Courses: Gene and Cell Therapy; Protein Engineering; Biochemical Engineering: Upstream Bio-Processing

ACTIVITIES

Merck Early Talent Acquisition - Recruiting Lead, *Team Lead for NJIT* Aug. 2021 - Current

As the head of Merck's Early Career Talent Acquisition team for NJIT I am in charge of organizing information sessions, career fairs, and interviews for interns and full time candidates for Merck Manufacturing Division. My team and I identified many different candidates and were able to build relationships with several student cohorts at NJIT for future events.

I have also been selected to provide support for other outreach events to support recruitment and interviewing efforts for MMD.

Intern Mentoring Program (IMP), *Mentor* June 2023 - Current

As part of IMP I am able to work with interns and co-ops during their time at Merck to help them integrate into the company and reach their developmental goals.

SKILLS

SAFETY: Process Safety Certificates (AICHE), Lab Safety Training Seminar (EHS NJIT), Lock Out Tag Out (LOTO), Hazards and Operability Assessments (HAZOP), Management of Change (MOC)/ Change Control (CC), Validation

TECHNICAL: C++, HPLC, NMR, MAT-LAB, ASPEN, Foxview, Quality Systems, Delta V, Bluebeam, Visio,

Microsoft Office (Excel, Word, Power Point, PowerApps, Power Automate, SharePoint, Teams), SAP, GLIMs, Kneat

MANAGEMENT / LEADERSHIP: Leading on the Shop Floor Training, Labor Relations Training