

Benjamin Dorsett

bennydorsett2@gmail.com | 703-851-4630 | Dunkirk, MD

EDUCATION

University of Delaware, Newark, DE

May 2026

Bachelor of Engineering in Chemical Engineering, Minor in Sustainable Energy and Technology

Destination Delaware Scholarship

WORK EXPERIENCE

University of Delaware, Newark, DE

Undergraduate Researcher

October 2024 – Current

- Designed Aspen Plus flowsheets to create models for the synthesis of biomass into sustainable aviation fuels.
- Worked with graduate students to create LCA's of the Aspen models to compare efficiency in cost and production of processes.

Undergraduate Researcher

June 2024 – August 2024

- Calculated over 25 surface tension and sauter mean measurements of organic interfaces to develop an undergraduate laboratory course designed to test students on mixing processes, emulsion, and spectroscopy.
- Wrote 4 standard of procedure reports to direct usage of equipment and laboratory processes to teach peers on equipment handling, data collection and analysis.

JCM Associates, Upper Marlboro, MD

Summer Process Design Intern

June 2023 – August 2023

- Designed process flow reports of over 5 project plans and mechanical installations of electrical supply, HVAC, and water supply in commercial and residential construction sites.
- Designed and implemented a new warranty report system leading to a 30%-time reduction in data collection and analysis of customer filings.

SKILLS & INTERESTS

- **Skills:** Microsoft Office (Advanced Excel) | Capstone | Python | MATLAB | Jupyter Notebooks | Aspen Plus | Revit | Minitab | Communication | Revit | CAD | ImageJ | Negotiation | Leadership | Teamwork | Product Design | Project Design | ADVANCE | ToupView
- **Interests:** Project Optimization | Project Design | Sustainable Energy Practices | HSE in Oil and Gas | Refining Processes | Distillation | Catalysis | Thermal Optimization | Carbon Capture | Quality Assurance | Project Management