

Stephen Rodgers

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Education

Rutgers University, New Brunswick, The State University of New Jersey **Expected Graduation: May 2021**
Bachelors of Science, Major in Mechanical Engineering, Aerospace Concentration, Minor in Mathematics

Professional Experience

Croda Incorporated **June 2020 - August 2020**
Research and Development Engineering Intern Edison, New Jersey

Researched methods and validated formulations effectiveness to improve rinsability to effectively target growing personal care markets in developing countries where water scarcity is a widespread issue.

- Performed material validation testing of conditioners for the development of novel Hair Care products
- Analyzed hair strength and emulsion stabilities of surfactant-solvent blends to evaluate their performance
- Interfaced with business and technical teams to align R&D and quality projects across the organization
- Developed novel chemical formulations and substantiation methods to evaluate personal care market trends

Schneider Electric **July 2020 - August 2020**
Virtual Student Experience North American Cohort Basking Ridge, New Jersey

A six-week exclusive program providing access to energy education, career workshops, and culture discussion.

- Learned about Schneider Electric's business model participated in career development workshops
- Created strategic recommendations for Fortune 500 companies to help them achieve 100% renewable energy
- Practiced innovator's method to develop a business model that is cost-effective and admirable to stakeholders

Rutgers Office of Research and Economic Development **September 2019 - April 2020**
Technology Transfer Intern Piscataway, New Jersey

- Researched and developed sophisticated global patentability searches to write technology assessments
- Liaised with researchers to evaluate opportunities to patent and commercialize novel discoveries
- Studied market behaviors and university patent programs to improve Rutgers' research commercialization

BWG Strategy LLC **May 2018 - August 2018**
Business Development Manager Summit, New Jersey

- Managed client relationships, sales opportunities, and marketing events through SalesForce
- Gathered, documented, and analyzed data from sources such as ZoomInfo, Sales Navigator, and Data.com
- Developed personalized outreach and marketing strategies for industry-leading experts and other prospects

Engineering Projects

- Aerospace Engineering Capstone Team Captain, programming flight path and designing autonomous blimp
- Generated report on structural and aerodynamic properties of airship using FDTD mesh in Ansys simulation

Volunteer Experience & Interests

- Rutgers Engineers Without Borders, working to connect crucial infrastructure internationally
- Founded Basking Ridge Rugby Club (Girls & Boys K-12), registered 501(c)(3) public charity
- Team Captain and Director of Campus Outreach Recruitment for Rutgers Rugby Football (D-1A) Club

Skill Work

Proficiency in Matlab, Quality Control, MS Office, Problem Solving, and Communication | Intermediate proficiency in Ansys Simulations, Compliance, Python, Manufacturing Design, Test Plans, Electrical Wiring, and Soldering