

# Robin Hood

Current: 1 Forestry Drive, Syracuse, NY 13210  
Permanent: 123 Sesame Street, Chittenango, NY 13037

(315) 470.6900  
rhood@syr.edu

## BIOPROCESS ENGINEERING QUALIFICATIONS:

- Experience with paper manufacturing environment, developing and performing original research, and report writing
- Proficient in Matlab, Math CAD, R, and Excel
- *Relevant coursework includes:* Bioprocess Engineering Design, Unit Process Operations, Fluid Mechanics, Analytical Chemistry, Bioprocess Kinetics & Systems Engineering, and Engineering Design Economics

## EDUCATION:

Bachelor of Science: **Bioprocess Engineering (ABET accredited)**

May 2018

State University of New York: College of Environmental Science and Forestry (SUNY-ESF)

GPA: 3.56

## RELATED EXPERIENCE:

### Process Intern

May-August 2017

WestRock, Solvay, NY

- Collected samples of different stock preparation systems and reported results to machine managers or others who requested information for continuation of quality production
- Assisted in mill trials with dry end tests including: Stiffness, Scott Bond, Burst Strength, Flat Crush Resistance, Ring Crush, and other tests correlated to the manufacturing of linerboard and corrugated medium
- Pioneered detailed procedures for intern testing to establish standardized methods mill-wide for a more effective and efficient transition among the flow of interns
- Gained knowledge of trial processes; including evaluating steps before, data and cost analysis, decision making, and writing of presentation and/or report

### Research Experience for Undergraduates (REU) Fellow

May-July 2016

Auburn University, Auburn, AL

- Performed original research concerning the conversion of biomass to furfural and hydroxymethylfurfural using an acid catalyst in a biphasic reaction system
- Utilized and oversaw UV-Vis analysis and TOC analysis
- Presented scientific findings via PowerPoint and a research poster to university audience

### Environmental Permits Intern

May-August 2015

New York State Department of Environmental Conservation (NYS DEC), Albany, NY

- Conducted research by calling/emailing 20 states to discover the chemical parameters involved in discharging water from hydrostatic testing
- Collected and analyzed data from states
- Prepared and presented the collected results to water engineers and permit writers
- Drafted a New York State general permit for hydrostatic testing discharges

### Student Participant

January-May 2015

ESF Goes to Space, SUNY-ESF

- Worked with fellow students and professors to design an atmospheric weather balloon that collected atmospheric data and recorded video during flight as part of the Global Space Balloon Challenge
- Used computer programming to record atmospheric data and GPS coordinates during flight of the balloon

## LEADERSHIP AND CAMPUS INVOLVEMENT:

Paper and Bioprocess Engineering Club (AIChE Chap.)

President

2014-Present

Bioprocess Engineering Department

Student Recruitment Chair

2014-Present

SUNY-ESF Golf Team

Member

2014-Present

SUNY-ESF Science Olympiad Team

Captain

2015

- Led team to the state competition for the first time in school history

GHD Engineering Competition

Participant

2014

## VOLUNTEER EXPERIENCE:

Green Lakes State Park  
Rescue Mission  
Rescue Mission  
Vera House

Rescue Mission  
Vera House

Montezuma National Wildlife Refuge  
Food Recovery Network