



JENNIFER L. CASTOR

jcastor@me.com

+33 7 58 82 19 36

2117 Fox Creek Road, Berwyn, PA, USA

PROFILE

First year Master's student in an international program for energy engineering and management with a background in chemical engineering. Over two years' experience as an engineer at a mid-sized environmental consulting firm. Experienced in project management, small-scale process engineering, and environmental remediation. Looking for internship opportunities in sustainable energy policy and engineering and water resources. Currently based in Nantes, France.

EDUCATION

Erasmus + International Master Program

Expected July 2019

MSc. in Management and Engineering of Energy and Environment

GPA: 3.85

Highlights: Management foundation for engineering (Universidad Politécnica de Madrid), eco-technologies and environmental process engineering (IMT Atlantique), sustainable energy engineering (KTH Stockholm)

Cornell University College of Engineering Ithaca, NY, USA

May 2015

B.S. Chemical Engineering, Sustainable Energy Systems Minor

Major GPA: 3.40 / Cumulative GPA: 3.30

Highlights: FEL2 feasibility study and design of penicillin production facility, numerical model for atmospheric carbon, scale-up of laboratory distillation column, photocatalytic water splitting process analysis

Freie Universität Berlin Berlin, Germany

Summer 2013

GPA: 4.00

RELEVANT WORK EXPERIENCE

Staff Engineer – Roux Associates, Inc. Swedesboro, NJ

June 2015 –

Environmental Consulting and Management

Sept. 2017

- Supported 10-15 industrial clients' environmental needs via remedial engineering design, report and permit preparation, data analysis and management
- Field managed implementation of large-scale remediation and investigation events involving multiple field teams and/or subcontractors
- Worked closely with clients to understand present and future challenges within set budgets
- Designed and implemented new employee onboarding and technical training program
- Promoted within one year from Staff Assistant Engineer due to strong work ethic and quality of work

Research Assistant – Jack H. Freed Laboratory Ithaca, NY

2014 – 2015

National Biomedical Center for Advanced ESR Technology, Cornell University

- Utilized pulse ESR spectroscopy with spin-labeling to characterize structure of proteins
- Designed experiments investigating orientation of proteins in lipid membrane

Program Support – Cornell Center for Materials Research Ithaca, NY

Summer 2014

- Supported the connection between Cornell professors and businesses in NY state
- Generated reports reflecting the Cornell-business relationships, affiliations and opportunities
- Provided content management support for the Center's website, contact data base, and advertising collateral

ADDITIONAL SKILLS

Computer: Geographic Information Systems (GIS), Elementary Matlab, Elementary Java, Microsoft Office Suite, Adobe Photoshop, Movie Editing, Aspen Plus, Exceed, Apple OS X and mobile iOS proficiency

Laboratory: ESR spectroscopy, HPLC, spectrophotometry, chromatography, PCR, DNA extraction, sterile technique

Certifications: OSHA 40-hour HAZWOPER Training, Transportation Worker Identification Card

Second language: Intermediate German, Elementary Spanish, Elementary French

PASSIONATE ABOUT: circular economy, learning new things, hiking, skiing, soccer, dogs