

ANTONIO SUAREZ

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Raleigh, NC 27606

Professional Experience

SOPRA STERIA SPAIN

Project Engineer and Software Developer

Madrid, Spain
Feb. 2018 – Jan. 2019

- Software development for banking sector.
- Responsible for software quality control and testing.
- Collaboration with multi-disciplinary teams to resolve issues in software development chain.
- Contact with client for support and software requirements specification
- Elaboration of guidelines for software development

Zen Technology Group

Project Engineer and Software Developer

Merida, Venezuela
Sep. 2017 – Nov. 2017

- Software development for energy sector: simulation of oil and gas properties.

Research Experience

The Nonwovens Institute & Dept. Forest Biomaterials / NC State University

Research Assistant

Raleigh, NC
Aug. 2019 – present

- Research on sustainability, economics, supply chain and conversion of biopolymers for nonwovens applications.
- Performance characterization of biopolymers for nonwoven applications.

Dept. Forest Biomaterials / NC State University

Research Assistant

Raleigh, NC
Jan. 2019 – Aug. 2019

- Techno-economic assessment and life cycle assessment of bioproducts from cellulosic material
- Simulation of bioprocesses and papermaking processes

Education

- Ph.D., Forest Biomaterials | North Carolina State University expected Aug. 2022
- B.S., Chemical Engineering | University of Los Andes, Venezuela June 2017

Publications and Projects

- Are lignin-derived carbon fibers graphitic enough? July 2019
Sagues, William J., Ankush Jain, Dylan Brown, Salonika Aggarwal, Antonio Suarez, Matthew Kollman, Seonghyun Park, and Dimitris S. Argyropoulos. "Are lignin-derived carbon fibers graphitic enough?." Green Chemistry 21, no. 16 (2019): 4253-4265.
- Characterization of emulsions stabilized by eucalyptus kraft lignin June 2017
- Techno-economic assessment of bioethanol production from sugarcane Jan. 2017

Skills and Interests

- *Computer:* MATLAB, Aspen Plus, openLCA, Microsoft Office, Cobol, HTML.
- *Technical:* Techno-economic assessment, Life Cycle Assessment, Process Simulation, Programming.
- *Languages:* English (proficient), Spanish (native), French (proficient).
- *Interests and Affiliations:* hiking, martial arts, board games, football, soccer.