

Parker Satterfield

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Summary

I am a senior at Auburn University's Samuel Ginn College of Engineering pursuing a Bachelor of Biosystems Engineering with a minor in Business. I am interested in a career in the broad field of sustainability - specifically involving environmental consulting, water resources, civil site design, and environmental engineering. I graduate in August, and I will be looking to start a full time engineering position soon after.

Education

Auburn University

- Bachelor of Biosystems Engineering | Senior
 - Business minor
 - 3.3 Cumulative GPA, Dean's List: Spring 2018
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Work Experience

Undergraduate Research Assistant at Auburn University | 2018-Present

- Civil Engineering Department of the Samuel Ginn College of Engineering
 - Project: create a method for mineral identification in geologic samples using X-Ray Micro CT imaging for the purpose of modeling effects of carbon sequestration on a subsurface sample
 - Experience gained in: image processing, Matlab, ImageJ, data analysis, geology, 2D and 3D modeling, presentation of technical information, interpreting technical documents
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Certifications

Eligible to obtain EI or EIT status pending graduation

- Passed FE Environmental
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Affiliations

Engineers Without Borders | 2017-2018

- Bolivia Project Team Member
 - Project management experience
 - Irrigation system design: specifically dealing with controlling pressure throughout the PVC so that there was enough pressure to turn the sprinklers without causing damage to the pipes
 - Technical writing experience: design and implementation reports, operation and maintenance manual
 - Budget management

American Society of Agricultural and Biological Engineers | 2017-2018

- National Chapter Member
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Technical Skills

Software

- Working proficiency with Matlab, AutoCAD (including Civil 3D plugins such as Storm Sewers and Hydrographs), Esri ArcGIS, and SketchUp
- Working proficiency with all Microsoft Office applications

Other

- Technical writing
- Image processing
- Website design
- Surveying
- Oral and written communication