

Simone Sower

STEM Graduate

CONTACT DETAILS

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📍 Boston, MA

🌐 LinkedIn

📁 Portfolio

CORE SKILLS

- Advanced Research Methods
- Audit & Report Writing
- Supplier Management
- CAD Modelling
- Low Carbon Modelling
- Project Management
- Development & Planning
- Site Audit
- ACU AutoCAD Professional
- SMART Materials

PROFESSIONAL PROFILE

Specialist STEM graduate with professional experience as an Junior Engineer and a masters degree in Renewable Energy looking to work in research and development of low carbon energy solutions. ACU-Certified AutoCAD Professional with demonstrated success in cost-effective end-to-end product development. Proficiency in data analysis and site audit.

EDUCATION

- **Master in Renewable Energy** | Boston College | May 2021 – Mar 2023 | 4.0 GPA
Modules: Low Carbon Models, Ground Source Thermodynamics, Applied Principles, Project Management, Low-Impact Excavatory Research, Biomass and Fuel Cell
Project: Building a model for proactive energy consumption calculations*
- **Certified AutoCAD Professional** | ACU | Jan 2022
- **Bachelor of Science in Engineering** | Crimpton College | Sep 2016 – May 2020 | 3.9 GPA | Skytar Scholarship for Engineering
Modules: Fluid Mechanics, Heat Transfer, Engineering Thermodynamics, Nuclear Systems, Mechanical Design, Smart Materials, Renewable Energy Systems
Thesis: 'A simplified fluid dynamics model of ultrafiltration for water systems'
- **High School Diploma** | Lincoln High School | Sep 2012 – Jun 2016 | 3.7 GPA | Honour Roll

CAREER SUMMARY

Jun 2020 – May 2021

TFT, Boston, MA
Junior Engineer

Outline

Completed the 12 month graduate programme at leading US energy provider, TFT, contributing to multiple projects in the commercial installation team.

Key Responsibilities

- Completed energy audits and produced relevant reports
- Worked with a team of engineers to complete in-depth site audits of commercial and domestic properties, including ground analysis and social impact reports
- Conducted analysis of complex data and presented it at project meetings
- Researched and identified energy saving opportunities for current projects
- Built computer models using Python to automate energy saving calculations

Key Achievements

- Saved £3.2k per month for the company by changing the supplier for titanium HPAV.
- Delivered a £2.1 million project 6 weeks early in March 2021 due to effective and accurate pre-project reports and audits.

ADDITIONAL

Software

AutoCAD

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Marcel A. Müller

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Abstracts on Tropical Agriculture ,1993 **Seed Savers ... Yearbook** ,1999 **Journal of Career Planning & Employment** ,1988 **New Scientist and Science Journal** ,1993-10 *Science* John Michels

(Journalist),2004 A weekly record of scientific progress *Mechanical Engineering* ,1978 History of the American society of

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