

## Sanger Alexander Steel

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github.com/sangstar

## KEY SKILLS

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- 4+ years experience with Python and its relevant ML libraries including spaCy, Tensorflow, and scikit-learn
- 2+ years of professional experience creating MLOps end-to-end solutions using natural language processing
- Proficient in Bash, Git, Microsoft Office
- Conversational spoken and business-level written Spanish

## WORK EXPERIENCE

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### Chattr

2022 - Present

*MLOps Engineer*

Machine learning engineer for Chattr, an AI-powered hourly hiring assistant startup based in Tampa, FL. Solely responsible for monitoring and improving the artificial intelligence of the chatbot by implementing a continuous delivery and automation pipeline for all active endpoints as well as improving their performance using a mixture of state-of-the-art supervised and semi-supervised learning techniques.

### econscia

2021 - 2022

*Machine Learning Engineer*

Machine learning position following a 2 month-long internship at econscia, a carbon accounting startup based in London specializing in Scope 3 emissions reporting. Planned and developed the stack's Scope 3 emissions end-to-end solution for pre-processing client data, vendor processing, spend categorization using document similarity techniques, and emissions calculations.

### CarbonCulture

2020 - 2021

*Software engineer, Intern*

Internship focusing on the development of the CarbonCulture stack using such software as Django, Git, uwsgi, Nginx, PostgreSQL as well as others for messaging and monitoring. CarbonCulture is a firm which focuses on working with clients to monitor their carbon footprint with games, apps and research tools.

### Event Horizon Telescope

2019

*Research Intern, Computational VLBI Polarimetry*

Specialized in developing and validating adaptive algorithms for polarimetric gains calibration and implementation of the calibration for the Event Horizon Telescope at the Harvard-Smithsonian Center for Astrophysics, and examining polarimetric gains calibration on data from the Global Millimeter VLBI array for the Event Horizon Telescope's website memo series.

### Synthetic Optics

2018

*Research Assistant, Computational Laser Physics*

Synthetic Optics internship at University of St. Andrews Department of Physics and Astronomy, specializing in optimizing the design of a saturable absorber for an integrated semiconducting laser, under Andrea Di Falco.

## EDUCATION

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### University of St Andrews, Fife, UK

2016 - 2020

Bachelors in Physics with Honors

Upper second class honors (translates to 3.4-3.7 GPA)

Recipient of Student Staff Council Vacation Award (2018)

## FIRST AUTHOR PUBLICATIONS

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**S Steel**, M Wielgus, L Blackburn, S Issaoun, MD Johnson. “Global calibration of instrumental polarimetric phase gains.” 2019. *Event Horizon Telescope Memo Series*

[Link here.](#)