Samuel Sheehy

More online @ https://sheeshee.github.io

CONTACT

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PORTFOLIO

https://sheeshee.github.io
https://github.com/sheeshee
https://linkedin.com/in/samuel-sheehy

PERSONAL PROFILE

French-American
Lindy Hop dancer
Burrito enthusiast

LEGAL

USA national
French national
UK Settled Status

LANGUAGES

English, native
French, native
Spanish, conversational

DEV STACK

Python	Javascript
Numpy	React
Pandas	Webpack
SciPy	
Sklearn	**Other**
Numba	Git
PuLP	AWS
Matplotlib	Heroku
PyOpenCL	Docker
Attrs	Elasticsearch
Django	Postgres
Flask	Postgis
Zappa	Nginx
Pytest	MATLAB
Tox	Julia
Jupyter	LaTeX
Nbconvert	Jekyll
Pyenv	Linux
Venv	VSCode
Pipenv	

EXPERIENCE

Software Engineer, *Farad.ai*, London

MAY 2022 - PRESENT

- Redesigned backend by fully containerising stack using Docker, Django, Elasticsearch, Postgres, and Nginx, streamlining AWS deployment
- Initiated and built endpoint monitoring with Django Silk and code testing with Pytest, making system health metrics available to team
- Pitched Farad.ai to audience of over 100, leading to 6 conversations with investors and customers
- Led proposal for BEIS-funded grant, with outcome to be decided in Feb, 2023

Research Engineer, *EDF Energy*, London

SEPTEMBER 2020 - MAY 2022

- Designed and built experimental tools using Django and Plotly Dash leading to renewed annual innovation funding
- Led year-long projects with budgets up to £70,000
- Delivered internal tutorials for Python and Git, allowing new members to contribute more quickly

R&D Development Scheme, *EDF Energy*, London

OCTOBER 2017 - SEPTEMBER 2020

- Authored reports and presentations while studying part-time
- Built computer model to study concept of energy storage within home appliances

EDUCATION

MSc Scientific Computing, *UCL*, London

SEPTEMBER 2018 - JULY 2020

Distinction

Numerical methods, software engineering, high performance computing

MEng Mechanical Engineering with Sustainable Energy Systems, *University of Southampton*, Southampton

SEPTEMBER 2013 - JULY 2017

First Class Honours

Ballroom and Latin Dance Society, Engineers Without Borders