

Samuel Elliott Sheehy

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Languages

English

Native

French

Native

Spanish

Intermediate

Nationality France/USA (Dual) with UK Settled Status

Highlights

- ❖ I have been working in the **energy industry** since joining **EDF Energy** in 2017.
- ❖ My undergraduate degree focused on **sustainable energy systems**.
- ❖ My graduate degree taught me **high performance** and **scientific programming**.
- ❖ In 2017, I designed and built the **electronics** and **data collection** for an electric motorbike.
- ❖ I use **Python** extensively at work, designing and implementing technical and commercial models.

Education

2018 – 2020 **MSc Scientific Computing**, *Distinction*, University College London, London, UK,
Courses: Techniques of High Performance Computing; Research Software Engineering with Python; Research Computing with C++; Numerical Methods; Numerical Optimisation; Information Retrieval and Data Mining; Software Engineering; Computational and Simulation Methods.

2013 – 2017 **MEng Mechanical Engineering**, University of Southampton, Southampton, UK
Theme for Year 3 and Year 4: Sustainable Energy Systems - First Class Honours
Year 3 Individual Project: *"On the Use of Wi-Fi Signal Strength in Indoor Navigation"*
Year 4 Group Project: *"Design and Manufacture of the Powertrain for an Electric Motorbike"*

- ❖ Courses covered topics such as bioenergy, photovoltaics and batteries.
- ❖ Founding member of student chapter, *Engineers Without Borders Southampton*
- ❖ General Coordinator for local music and sustainability fair, *Environmental Rock*

2010 – 2013 **French Baccalaureate**, Rochambeau French International School, Washington, DC, USA
International Option - Science Curriculum - Mention Très Bien (i.e. With Highest Honours)
Rochambeau Award of Appreciation for extensive participation in school activities

Work Experience

Present - 2020 **Research Engineer**, EDF Energy, Greater London, UK
Developing modelling methodologies and creating digital tools.

- ❖ *Perform data analysis, system modelling, techno-economic analysis.*
- ❖ *Lead development of bespoke software applications and digital tools.*
- ❖ *Communicate complex topics to a wide variety of audiences and senior stakeholders.*

2020 - 2017 **R&D Development Scheme**, EDF Energy, Greater London, UK
Working as a Junior Research Engineer while studying part-time.

- ❖ *MSc Scientific Computing at University College London, part-time*
- ❖ *Deliver presentations to stakeholders and author technical reports*
- ❖ *Run frequent tutorials to train colleagues in coding and software development*
- ❖ *Develop cost and energy models for electric mobility and local energy systems*

Interests - swing dancing, science-fiction, hiking