

SIMON ENGELKE

www.engelke.co

Christ's College ◊ Cambridge CB2 3BU ◊ United Kingdom

+44 · 7490 · 278195 ◊ se357@cam.ac.uk

EDUCATION

University of Cambridge

October 2014 - April 2019 (expected)

PhD focused on advanced electrode structures for batteries

EPSRC Centre for Doctoral Training in Graphene Technology

Supervisors: Dr Michael de Volder (Engineering) and Prof Clare Grey (Chemistry)

Trinity Bradfield Prize 2018

World Economic Forum (WEF) Annual Meeting 2018, Global Shaper

WEF Global Future Council on Advanced Energy Technologies 2018, Fellow

STFC Futures Early Career Award 2017

Global Young Scientists Summit (GYSS) 2016

CUE Young Entrepreneur of the Year 2015

Maastricht University

September 2011 - July 2014

Bachelor in physics and chemistry, Honours programme

Semester abroad at University of California Berkeley, Materials Science and Engineering

Masterclass in nanotechnology and nanomaterials

Scholarship by German Academic Scholarship Foundation (Studienstiftung)

Representative for 6800 international students in the Studentenraad Maastricht

Overall grade: 8.4, Cum laude

EXPERIENCE

University of Cambridge

February 2017 -

Course Coordinator and Teaching Assistant

- "Applications of Graphene for Energy Storage" module for the MRes in Graphene Technology
- Coordinated curriculum, gave three lectures (between 30-60min), conducted practical sessions (120-150min) accompanying each lecture and prepared handouts. Previously, Teaching Assistant in 2017.

Google

May - August 2014

Google Summer of Code Participant

- Academic project in collaboration with Berkeley Lab and MIT
- Scientific search engine for solid-state syntheses. Usage of python, Meteor.JS and MongoDB

Lawrence Berkeley National Laboratory

September 2013 - April 2014

Research Assistant and Student Assistant

- Dr Kristin Persson Group, Materials Project and Dr Marca Doeff Group, Materials Sciences Division
- In charge of a project to extract experimental data out of journal publications in collaboration with Prof Gerbrand Ceder, MIT (Persson) and synthesised a new anode material for sodium-ion batteries and computed voltage profile in collaboration with Prof Marc Asta Group, UC Berkeley (Doeff). Chem. Mater., 2016, 28 (12), pp 42844291

Lindau Nobel Laureate Meeting

June - July 2013

Panel speaker and writer Lindau Nobel Online Community

- Spoke in a panel with Sir Harold Kroto, Brian Kobilka, Ada Yonath and Beatrice Lugger on "Why Communicate?" and wrote for lindau.nature.com

SKILLS

Programming

Python, MongoDB, Jekyll, LaTeX

Languages

German (native), English (TOEFL: 111)