GitHub: github.com/JEPooley
LinkedIn: linkedin.com/in/josh-pooley
CodePen: codepen.io/jepooley
Email: joshpooley93@gmail.com
Website: https://jepooley.github.io/cv/

EDUCATION

PhD in Optoelectronics - Zepler Institute, University of Southampton

Masters Degree in Physics - First Class Honours - University of Southampton

CORE SKILLS

Python Development
Numpy, Pandas, Git, pytest, Flask, Matplotlib, OOP, FastAPI, TDD, Trunk Based Development

Prototyping
Creative Problem Solving, Human-Centred Design, Collaborative Working

Frontend Development
HTML5, CSS/SCSS, JavaScript/ TypeScript, Leaflet, Svelte, Node

Writing
Papers, Reports, Blogs, Patents, LaTeX

Geospatial Analysis
GeoPandas, Rasterio, QGIS/ArcGIS, Vector Data, Raster Data

Data Science
scikit-learn, scikit-image, NetworkX, AzureML

Agile Methodologies
Scrum Developer, Scrum Master, MS DevOps

SOME EXPERIENCE WITH

MS Azure (Web Apps, Serverless Functions), Docker, PyPI & Poetry

Dr Josh Pooley

DATA SCIENTIST | DEVELOPER | PROTOTYPER

I'm a data scientist, developer and prototyper based in the UK, currently working in the geospatial industry. I love learning about new technologies, being creative and getting stuck in to a new project!

EXPERIENCE

Data Scientist (Rapid Prototyping)

Ordnance Survey
January 2020 – Present

> I have been a part of Ordnance Survey's Rapid Prototyping Team since its inception in 2020. This role is hugely diverse and I have developed a wide range of skills including Python development, data science, web development, human-centred design, agile development and much more!

Post-Graduate Researcher (Optoelectronics)

University of Southampton
September 2015 – December 2019

> My post-graduate research was focussed on the development of high-speed sensors for deployment in harsh environments. The work was a mixture of practical lab-based experimentation, computer modelling and writing research papers.

PROJECT HIGHLIGHTS

- Technical lead for the osdatahub project
- Technical lead for the OS Data Hub Explorer
- Technical lead for the OS Heat Data prototype
- Presented COVID-19 infection model to the Newton Institute, Cambridge

WRITTEN WORK

- Rapid prototyping: at-home electric vehicle charging
- Graphic Design in Python Using Geospatial Data
- Fibre optic methods for measuring detonation velocity
- Detonation velocity measurements with uniform fibre Bragg gratings