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# Anna Anita Christy **MEng**

## PROFESSIONAL SUMMARY

I am a 2<sup>nd</sup> year PhD researcher at Newcastle University and Northumbrian Water Limited (NWL). My research focuses around the UK Water sector's carbon accounting model to aid quantifying scope 1, 2 and 3 emissions accurately, transparently and consistently.

## EDUCATION

September 2021 - current

**PhD Civil Engineering**  
Newcastle University, NWL

September 2017 - 2021

**MEng Civil Engineering (Hons) – First Class**  
Newcastle University

September 2010 - 2017

**A-Levels: Psychology (B), Geography (B), Mathematics (C), German (AS)**

**GCSEs: A\*-B**  
Cardinal Wiseman Catholic School

## SKILLS

- Proficient in Python, MATLAB,
- Proficient in ArcGIS, SketchUp, AutoCAD, Revit, Microsoft Office.
- Familiar with Building Information Modelling
- Full UK driving License
- Proficient at MS Project and Primavera
- Excellent organisation, time management and written/verbal communication skills

## LANGUAGES/INTERESTS

- Native in German and Tamil
- Diploma in Vocal and Veena (Carnatic Style)

## RESEARCH

2021 - current

### PhD Project

#### Newcastle University, Northumbrian Water Limited

- Actively conducting a systematic literature review
- Collaborating with NWL to investigate the existing gaps and opportunities in the water sector's carbon accounting method.
- Setting out foundations to create a new framework for more accurate, complete and transparent carbon accounting, with the intend to make strong policy recommendations, driving the sector to reach their Net-Zero target.

2022 - current

### Water and Sustainability HUB Research Intern Newcastle University

- Collaborating with various researchers to collate new ideas for research methods.
- Create written, visual and verbal content to add to the Water and Sustainability Research Methods website, review existing material.

2021 - 2022

### What makes "Good City" Research Intern Newcastle University

- Interviewed internal and external researchers to investigate the question of what makes a good city.
- Output: Literature Review, Short-film, website content



## PROJECTS

2022 - current

### Equality Diversity and Inclusion (EDI) Project Plan Intern

#### Newcastle University

- Review and update existing Athena Swan action plans with the aim to meet the Silver Award requirements
- Create a faculty-wide action plan in the format required by Athena Swan
- Understand and review university-wide EDI policy
- Using SMART action planning for EDI awareness

2018 - current

### Senior Student Ambassador for Civil Engineering

#### Newcastle University

- Attending on-campus, regional and national promotion events, providing an overview of what Newcastle University's Engineering program has to offer.
- Ability to be reliable and use initiative, whether working autonomously or as part of a team to showcase the Engineering School.
- Ability to communicate and collaborate effectively with prospective students/families, team members and the wider faculty community.

## REFERENCES:

**Academic Supervisor:** Dr. Oliver Heidrich, School of Civil Engineering, Newcastle University, [oliver.heidrich@ncl.ac.uk](mailto:oliver.heidrich@ncl.ac.uk)

**Industrial Supervisor:** Dr. Anthony Browne, Carbon and Energy Manage, NWL [anthony.browne@nwl.co.uk](mailto:anthony.browne@nwl.co.uk)

**Manager:** Dr. Amina Razak, Inclusive Newcastle Knowledge Centre, Newcastle University, [amina.razak@ncl.ac.uk](mailto:amina.razak@ncl.ac.uk)

