

IMAN WARSAME

iwarsame38@gmail.com

07538561646

PROFILE

Highly skilled professional specialising in automating and digitalising civil engineering processes, with a strong focus on driving innovation within the industry. Proven expertise in managing and implementing software solutions. Committed to fostering team collaboration and growth, and keen proponent of kaizen, consistently striving for continuous improvement.

EXPERIENCE

Senior Engineer

Ramboll

Sep 2019 – Present

- Project and commercial manager for >£9,000,000 of check work on HS2
- Line manager and mentor to junior members in the team
- Led the development of a desktop application to automate the design of retaining walls
 - o Led a team of four developers to develop a solution that used Python to integrate with PLAXIS
 - o Managed the budget and planned sprints
 - o Employed the abstract factory pattern to implement efficient business logic
 - o Designed front-end using Avalonia and adopted an MVVM architecture
- Led development of project intelligence web app
 - o Consisted of React, .NET API and MongoDB
 - o Used redux toolkit and MUI UI framework
 - o Deployed using Azure pipelines
- Led an international team of six to create a guideline to design temporary footbridges for communities
- Experience with steel and prestressed concrete design
- Led communications network sharing innovation and best practices

Summer Placements

Ramboll

Summer 2017 & 2018

- Designed reinforced concrete pile caps for motorway gantries
- Designed concrete foundation for Torus sculpture, White City Living
- Hammersmith flyover bearing structural monitoring

Tutor

Explore Learning

Mar 2015 – Sep 2015

- Maths and English tutor. Managed a zone of six children of mixed ability and ages. Took on extra responsibility by tutoring 11+

EDUCATION

University of Southampton

Civil Engineering (MEng)

2015 - 2019

Designed and built a 1kW water wheel to irrigate farmland in remote areas using supercritical flow

Dissertation titled 'Introducing BIM into Civil Engineering Degrees'

Essay titled 'Alternatives to Nuclear Power for Electricity Supply in Japan'

Ruislip High School

A Levels: Maths, Further Maths, Physics, Product Design

2008 – 2015

SKILLS & HOBBIES

- | | |
|-----------------|-----------------------------|
| - React.js | - Architectural photography |
| - Node.js | - Football |
| - Jest | - Historical fiction novels |
| - C# | - Grand strategy games |
| - Python | |
| - Agile working | |
| - MongoDB | |