

PERSONAL STATEMENT

Analytical, results-driven engineer striving to progress into software engineering with a growing foundation in agile software development for the web. Recently completed a Bootcamp certification in Front-end development, dedicated to improving and maintaining up-to-date knowledge of emerging industry technology and tools.

Skilled in independent and collaborative environments with strong communication and problem-solving abilities. Committed to continuous improvement, offering creative and efficient technical solutions to improve productivity and enhance end-user experiences.

Areas of Expertise:

- Collaborative Communication
- Test Driven Development
- Engineering Project Support
- Agile Software Development
- Technical Troubleshooting
- Quality Assurance & Control
- Time Management & Prioritisation
- Documentation & Reporting

TECHNICAL PROFICIENCIES

Programming Knowledge: HTML 5, CSS 3, Bootstrap, JavaScript, ES6, Git, React, NodeJS

Software Tools: Visual Studio Code; GitHub; GitLab; Figma; CLI; Linux*; MS Office Suite (Project, Word, Excel, PowerPoint), Building Information Modelling, Autodesk Revit

*Note: * = Working Knowledge*

EMPLOYMENT HISTORY

MOTT MACDONALD LTD | Bristol, UK 1/2021 to Present
ICT and Security Systems Engineer

Support wide-ranging building services projects in collaboration with multidisciplinary colleagues and senior engineers; maintain open channels of communication with diverse teams at all levels to effectively define and achieve client specification.

Key Achievements:

- Leading the delivery of earthing and bonding design of multiple High Speed 2 rail infrastructure assets in compliance with legislative, safety and technical requirements. Streamlined real-time collaboration tool to increase project delivery by up to 15%.
- Partner with commercial team to develop innovative project forecasting dashboard aligned with client expectation to cut costs by 7%.

PRECISION VARIONIC INTERNATIONAL LTD | Swindon, UK 6/2019 to 12/2020.
R&D Engineer – Intern 9/2017 to 8/2018

Designed and developed high voltage switching systems for wide-ranging EU funded projects and experiments in collaboration with department-wide colleagues and senior engineers.

Key Achievements:

- Prioritised continuous process improvement initiatives; developed novel techniques yielding 70% increase in micro-nozzle production with 50% reduction in production lead times.
- Crafted novel system to automate temperature shock exposure tests on coated substrates; increased operational efficiencies by 90% and reduced labour needs by 70%.
- Streamlined real-time testing and pipeline safety monitoring by crafting innovative, non-destructive inspection method; minimised data acquisition timelines by 40%.

EDUCATION

Skills for Life Boot Camp in Front-End Web Development – March 2023

edX TRILOGY SKILLS BOOT CAMP | UK

Achieved 97% (Grade A) with key areas of focus in User Experience (UX) Design, Agile Development, Server-side and Third-party APIs, Object-oriented Programming, Test Driven Development, Deployment, Project Demonstration and Storytelling

MEng, BEng (Hons) Electronic and Electrical Engineering (IET Accredited) – June 2020

UNIVERSITY OF LEEDS, School of Electronic and Electrical Engineering | Leeds, UK

Achieved First Class Honours