

SUMMARY

Dynamic and eager Software Engineer with a PhD in Electronic Engineering and five years of experience in Hardware RF Antenna Engineering. Recently completed a comprehensive bootcamp course in Software Engineering, specializing in HTML, CSS, JavaScript, Node.Js, and MySQL. Aiming to leverage technical expertise and project leadership skills to excel as a Software Engineer, contributing to innovative software solutions in both Front-End and Back-End development.

SKILLS

HTML, CSS, BEM, Sass, JavaScript, React, Next, Tailwind, Node.js, Express, Postman, Firebase, MySQL, Knex, User Authentication, JWT Token, Jira, GitHub, C, MATLAB, Adobe Illustrator, Indesign, After Effect, Premier Pro

PROJECTS

Lead Coder | Mapplar | Website
JAN - FEB 2024 | CAPSTONE

- Mapbox integration and precise OpenAI prompts to generate compelling and accurate itineraries for users. Using firebase for cloud storage and a robust user authentication system with JWT token for security and efficiency.

EDUCATION

Diploma - Software Engineer | BrainStation
NOV 2023 - FEB 2024 | London

- Learning industry best practices throughout the course to become a proficient software developer.
- Developing foundational skills in web development, progressing from basic multi-page web design to advanced Single Page Application development using React.
- Back-end development with technologies such as Node.js and Express, effectively setting up frameworks and utilising MySQL databases for seamless data management and persistence.

Doctor of Philosophy - Electronic Engineering | University of Kent
SEPT 2014 - JUL 2019 | Canterbury, Kent

- “Applications of Origami Folding Techniques of Antenna Structures using Flexible Substrates”

Bachelor of Engineering - Electronic and Communications Engineering | University of Kent
SEPT 2011 - JUL 2014 | Canterbury, Kent

- Final grade: First class with honours

Team Lead | Acabo
JAN 2024 | HACKATHON Industrial project (Deliveroo) - 5 PERSON (24 Hours)

- Managing between UX/UI and SE, relay information and making critical design choices to project deadline within strict timeframe, using JIRA to assign tasks and managing Pull Requests to ensure a cohesive workflow

Lead Coder | Debug Ducky | Website
JAN 2024 | HACKATHON Pair Programming - 2 PERSON (24 Hours)

- Managed Back-end operations, developing RESTful endpoints using Express framework. Using Postman for verification of outcomes, validating against sample inputs to ensure alignment with expected results

Lead Coder | Star Wars Yearbook
NOV 2023 | HACKATHON - 2 PERSON (5 Hours)

- Managed the styling of the web applications, selecting optimal fonts and following best practices in BEM naming conventions. Collaborated with team members using Git Flow to ensure seamless integration and prevent conflicts.

LANGUAGES

English	Fluent
Cantonese (Chinese)	Fluent
Mandarin (Chinese)	Conversational

HOBBIES

Badminton, Cycling, Volleyball, Boulderling, Web Design, Picture and Video editing, Gaming

WORK EXPERIENCE

Senior Antenna Engineer | Leonardo UK
AUG 2023 - NOV 2023 | Luton, United Kingdom

- Design and develop antennas & radomes for funtion and RCS
- Nominated and Received an award for Technology and Innovation

Microwave and Antenna Engineer | Meta Material Inc
JUN 2022 - JUL 2023 | London

- Conference paper accepted IEEE APS 2023
- Lead and manage various antenna design projects
- Combine RF technologies with metamaterial for R&D

Senior Antenna RF Design Engineer | Airbus
SEPT 2018 - JUN 2022 | Stevenage, Hertfordshire

- Accountable for the transmit antenna on a satellite platform
- Developed algorithms to improve productivity across the team.
- Participate in and manage proposal activities

RF Design Engineer | Omni-ID
APR 2018 - SEPT 2018 | Farnham, Surrey

- Understanding RFID both in Hardware and Software
- Producing a commercially ready RFID Tag used for plant trolleys.