

A software engineer with professional experience of coding UIs in React with Redux, extensive university experience of coding REST APIs in Node and conducting data analysis using Python.

Skills

- **Front-end web-development:** learned **React** and **Redux** Toolkit to complete my [final university project](#), which led to ISS Global (a Parsons Corporation subsidiary) offering my current role, two weeks after submitting the university project. Working at ISS, I contributed many bug-fixes and improvements (largely around user experience) to the React and Redux based user interface for [Dfuze](#) Net v22.0.0. Dfuze Net is used by law enforcement agencies (including the Met Police) around the world to manage and analyse data relating to counter-terrorism investigations. The company will affirm I was the only junior engineer they had ever hired who could begin contributing substantially within days of joining, without training and with very little explanation of the project. Working on Dfuze Net drastically improved my use of CSS and introduced me to using UI libraries such as Material UI and DevExtreme, improving my design and layout skills.
- **Back-end web-development:** excelled at coding APIs using **Node** and **Express** – experimenting with both **MySQL** and MongoDB - for a class spanning my second year of university, scoring 88% overall. Taught myself Passport authentication from online tutorials, which was challenging but my projects were better for it. Although I only contributed to the Dfuze Net frontend, ISS hired me as a full-stack engineer after completing a full-stack coding challenge using React, React Router and a .NET backend (with which I was previously unfamiliar).
- **Problem solving**, i.e. splitting an overall objective into manageable steps and taking action to achieve those steps: my university second year software development assignment is a good example. We aspired to develop a web application for migrant parents in the UK – with poor English literacy – to help their children with homework. This was broken down to: gathering user requirements; making design decisions informed by requirements; prototyping the user interface in Adobe XD; user testing prototypes; choosing the appropriate technology stack; choosing web hosting; UI development; backend and middleware development; deployment; testing and refinement in the production environment. Overall the project ran smoothly and scored 86%.
- **Stakeholder engagement and team-work:** whilst employed by Folkestone and Hythe District Council, I administered grants for home adaptations for people with disabilities. External stakeholders included social services occupational therapists, internal stakeholders included finance and corporate debt teams. It was necessary to maintain almost daily contact for case progress updates and attend quarterly case review meetings with all stakeholders.

Employment

ISS Global: Software Engineer

(6th June 2022 – 13th October 2022)

- Bug fixes and usability improvements in React + Redux user interface
- Implementing new features based on user requirements
- Amending features based on user feedback and/or outcomes from testing
- Refactoring code for readability and performance
- Git version control (push/pull/stashing changes + handling merge conflicts)
- Demonstrating work during sprint meetings.

HM Courts and Tribunals Service: Administration Officer

(September 2017 – September 2018)

Magistrates Court administration.

Spicers of Hythe: Warehouse Operative

(August 2017 – September 2017)

Order picking and goods-in (checking incoming deliveries and preparing for storage).

**Folkestone and Hythe District Council: Business Support Assistant
(July 2015 - September 2016)**

- Assisted vulnerable clients to complete social housing forms in Civic Centre's reception area
- Administration of all temporary accommodation bookings for homeless clients
- Administration of the social housing register
- Administration of grants to adapt homes for people with physical disabilities
- Customer service in person, by phone and email.

**Shepway District Council: Communities Apprentice
(February 2014 – March 2015)**

- Administrative support for homelessness prevention
- Administration of the social housing register
- Administrative support for council housing strategy and policy team
- Earned an NVQ Certificate (Level 2) in Business Administration.

Education

Goldsmiths, University of London (October 2019 – June 2022)

BSc Business Computing and Entrepreneurship – First Class Honours:

- Full-stack JavaScript web development experimenting with both relational (**MySQL**) and NoSQL (**MongoDB**) databases, **React** or **Vue** user interfaces
- **Object orientated programming in Java** (including graphical user interfaces)
- Identifying, researching and planning business opportunities
- Artificial Intelligence experiments in Jupyter notebooks using Tensorflow (**Python**)
- Basic data analysis and visualisation using Pandas and Matplotlib (both **Python** libraries).

Goldsmiths, University of London (October 2018 – June 2019)

Foundation Computing:

- Object oriented programming in **Python**
- Basic client-side web development using **HTML** and **CSS**
- Foundation mathematics and decision/modular mathematics.

Shepway District Council (March 2013 – March 2014)

- NVQ Certificate at Level 2 in Business Administration
- Functional skills in IT, English and Mathematics.

Canterbury College (September 2006 – June 2008)

- A-Levels in English Literature (grade C) and Media Studies (grade D)
- ICT Key Skills at Level 3.

Harvey Grammar School (September 2001 – June 2006)

10 GCSEs graded A-C.

Interests and Hobbies

- Exploring Kent and East Sussex on my motorcycle
- Paddling my inflatable kayak along waterways with friends
- Boulderling (rock climbing without ropes)
- Cross country cycling around the south/east Kent countryside and coastal areas
- Rambling in the countryside with my hammock and a book.