

# TESSA BREEN

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## PROFESSIONAL EXPERIENCE

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### Unity Technologies, London

*June 2022 – Present*

#### Front-End Software Engineer for Engineering Services

- Building a world-class, scalable continuous integration system used by developers of the unity engine using Typescript, React and Redux Saga
- Regularly participating in lightning talks on front-end topics

### The British Broadcasting Corporation, London

*June 2020 – Present*

#### Software Engineer for Digital Publishing

- Building microservices and internal tools for journalists using Scala, React, Node, GraphQL, Redux, and AWS
- Improving content discovery using metadata documents
- Building an article editor to enable flexible content creation
- Maintaining and developing CI/CD pipelines in Jenkins
- Maintaining a front-end component library for use across the organisation
- Ensuring products and new features meet WCAG accessibility standards and documenting best practices for use across the organisation

### DabApps, Brighton

*Jan 2018 – May 2020*

#### Software Engineer

- Building single-page web apps and mobile apps for brands using Javascript, Typescript, React Redux and Django
- Projects include: *Centurion* mobile app written in React Native to control a laboratory centrifuge and *Experta*, a social media app for Lawyers to discover clients using React and Django
- Volunteered with charity CodeBar to teach software development to minority groups

### AI Music, London

*May 2018 – Dec 2018*

#### Business Analyst

- As part of an early stage investment strategy I identified and sought partnerships with key stakeholders in the music industry and ad tech sector.

## EDUCATION

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### Imperial College London

*2014 – 2018*

#### BSc Physics

Optional modules include Astrophysics, Environmental Physics, Advanced Hydrodynamics, Physics of Medical Imaging and Radiotherapy and Lasers.

Computing projects included modelling the transmission of infectious disease, percolation theory and light refraction.

A member of the Philosophy Society, and IC Radio.

## SKILLS

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*React, Typescript, Redux-Saga, Git, GitHub Actions, Next.js, Tailwind, Accessibility, Node.js, Scala, Javascript, GraphQL, AWS*