

Dr James Alexander Lee

Front-End Web Developer & PhD Digital Arts

www.jal.dev • hey@jamesalexanderlee.co.uk • Kent, UK

EXPERIENCE

Front-End Lead / Software Development Manager	Oct 2022–Present
Lead Front-End Developer	Dec 2021–Oct 2022
Software Developer	Jul 2019–Dec 2021

Butterspace

Butterspace is a **mental health** platform founded to give people the freedom to choose the best way to look after their mental health at work. Employees can browse through hundreds of free and paid resources which have been vetted to have a positive effect on their lives.

My role has evolved from React developer to **leading** and **managing** the **front-end** team to develop **beautiful code** and **intuitive user experiences** built with **ReactJS** and **React Native** supported by a back-end running on **AWS**.

In addition to development, my responsibilities have also included implementing **accessibility** standards, design and UX, **brand** guidelines, demos, **mentoring** and communication between tech and non-tech parties. I also contribute to product roadmaps, **development processes** and **software architecture**.

Graduate Teaching Assistant / Hourly Paid Lecturer	Sep 2014–Apr 2018
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University of Kent

Demonstrating during computer workshops to **undergraduate and masters students**, focusing on assisting their learning through **teaching, discussion and feedback**. Subjects included web, software and Android development and UX and UI design.

Web Developer	Jun 2012–Aug 2013
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BBC World Service

Industrial placement year between my second and third year of undergraduate. The first project was a **London 2012 Olympics** module for displaying information about medals and upcoming games. The module supported **27 languages, RTL scripts** and achieved **1.6 million page impressions**.

The second project was working with the BBC News team to migrate the World Service language sites to a new, **responsive design** and to integrate with the English **BBC News codebase**. During my employment, I worked on the release of the **Afrique, Arabic, Hausa, Hindi, Indonesian, Spanish and Russian** sites. I was exposed to the complexities of localisation and had a **leading role** in developing the code to handle right-to-left layouts.

EDUCATION

PhD in Digital Arts

Sep 2014–Mar 2019

University of Kent

Exploring the Use of **Online Social Network** Activity and **Smartphone Photography** as an **Intervention** to Track and Influence **Emotional Well-Being**.

AFHEA (Associate Fellow of the Higher Education Academy) Jun 2015–May 2016
AFS (Associate Fellowship Scheme)

University of Kent

Awarded to professionals who can demonstrate they meet the criteria for **teaching** and **supporting learning** in **higher education**.

BSc (Hons) Multimedia Technology and Design
with a Year in Industry

Sep 2010–Jun 2014

University of Kent / BBC World Service

Achieved a **First Class Honours (Distinction)** in this **multidisciplinary degree** including web, software and app development, UX and UI design, 2D and 3D animation, visual effects, film and photography. Worked at the **BBC World Service** as a **Web Developer** for my year in industry.

PUBLICATIONS

SnapAppy: A Positive Psychology Intervention using
Smartphone Photography to Improve Mental Well-Being

2021

Pervasive and Mobile Computing Journal 2021

Journal paper by J. A. Lee, C. Efstratiou, P. Siriaraya, D. Sharma and C. S. Ang

Exploring the Use of Online Social Network Activity and
Smartphone Photography as an Intervention to Track and
Influence Emotional Well-Being

2018

University of Kent

Doctoral thesis by J. A. Lee

OSN Mood Tracking: Exploring the Use of Online Social Network
Activity as an Indicator of Mood Changes

2016

Ubicomp 2016 Mental Health and Well-Being: Sensing and Intervention Workshop

Conference paper by J. A. Lee, C. Efstratiou, and L. Bai

SKILLS & TOOLS

