

OO JUSTAS BRAZAUSKAS

MOBILE

+447308146437

LinkedIn

/in/brazauskasJ

EMAIL

jb2328@cam.ac.uk

ADDRESS

Castle Mill, Roger Dudman Way, Oxford, OX1 1GE

OO EDUCATION

2016/09

University College London

2019/06

BASc Sciences and Engineering

Year I - First-Class Honours Year II - First-Class Honours Year III - First-Class Honours

Dissertation: Stressed out Millennials and Wearable Devices. Centre for Advanced Spatial Analysis (CASA, UCL).

President and co-founder of the Applied Quantitative Methods Society.

OO EXPERIENCE

2019/10

Computer Laboratory, University of Cambridge

Current

Research Assistant position in the Systems Research Group. Primary work on smart spaces research.

Produced sensor systems and visualisation tools for smart buildings and cities.

Research on LoRaWAN sensor integration with a Vert.x-based real-time platform.

Research on BIM, BMS and IoT stack interoperability in smart buildings.

Resulting scientific output - a first-author paper, co-authored four others.

Supervised by Dr I. Lewis.

Audited Modules: Affective Computing, Mobile and Sensor Systems

Remote work from March 2020

2019/06

UCL Interaction Centre, University College London

2019/09

Created a physical computing toolkit that enables school children to learn computer science concepts through movement and embodied interaction. Supervised by Prof Y. Rogers and Dr N. Marquardt.

2018/10

TES Global

2018/12

Created and implemented a provisional neural network-based recommendation engine and researched improvements to the search algorithm for their catalogue of products.

2018/06

York Cross-disciplinary Centre for Systems Analysis, University of York

2018/09

Worked on Evolving Computation in Materials (Evolution-in-Materio) and Reservoir Computing.

Utilised Genetic Algorithms and Recurrent Neural Networks to model alternative computing systems.

2017/05

UCL Global Citizenship Programme

2017/05

Underwent a highly prestigious and competitive UCL summer training course, focused on problem solving in a global context.

OO PUBLICATIONS

Under Review

Data Moves: Physical Computing for Teaching Computing Concepts through Movement

Justas Brazauskas, Susan Lechelt, Yvonne Rogers, Rebecca Evans, Su Adams, Ethan Wood, Nicolai Marquardt

Under Review

Data Management for Building Information Modeling in a Real-Time Adaptive City Platform

Justas Brazauskas, Rohit Verma, Vadim Safronov, Matthew Danish, Jorge Merino, Xiang Xie, Ian Lewis, Richard Mortier

Under Review

Towards distributed and protocol-independent IoT interoperation in smart buildings

Vadim Safronov, Justas Brazauskas, Matthew Danish, Rohit Verma, Ian Lewis, Richard Mortier

Under Review

SenseRT: A Streaming Architecture for Smart Building Sensors

Rohit Verma, Justas Brazauskas, Vadim Safronov, Matthew Danish, Jorge Merino, Xiang Xie, Ian Lewis, Richard Mortier

Applied Sciences, 10
(22. 8287)

An openBIM Approach for IoT Integration with Incomplete as-built Data

Moretti, N., Xie, X., Merino, J., Brazauskas, J., & Parlikad, A.

<https://doi.org/10.3390/app10228287>

EdgeSys '20

DeepDish: multi-object tracking with an off-the-shelf Raspberry Pi

Matthew Danish, Justas Brazauskas, Rob Bricheno, Ian Lewis, Richard Mortier

<https://doi.org/10.1145/3378679.3394535>

The Bartlett Summer
Show Book 2018

Perspection and A Mazing London

Justas Brazauskas (p. 167), Laura Cherry (Editor), ISBN 978-1-9996285-0-5, UCL 2018,

OO AWARDS

2019

Exhibited selected works at the Noise Exhibition by Savage @ UCL

2018

YCCSA Summer Scholarship Programme.

2017-2018

Exhibited selected works at the Bartlett Summer Show in '17 and '18.

VOLUNTEERING

Camden STEAM Commission

Promoting scientific engagement and encouraging children to choose careers in STEAM.

Royal Free Hospital

Great Ormond Street Hospital

OO PROFESSIONAL SKILLS

Adobe Suite

Unity

Java

JavaScript

D3.js

Blender

SolidWorks

Python

Processing

UNIX

Rhino

Tableau

SQL

MATLAB

Physical Computing

LANGUAGES

English

French

Lithuanian