## JUSTAS BRAZAUSKAS

1.00000	JUSIAS DRAZAUSRAS		
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EDUCATION	<b>PhD Computer Science</b> , University of Cambridge Topic: <i>Sensor networks-backed applications in Smart Building context</i> . Supervised by Prof Alan Blackwell and Prof Ian Lewis.	09 2022 -	Curren
	<b>MRes Sensor Technologies</b> , University of Cambridge Dissertation: <i>Visual Communication Tools for CO2 Accumulation in Shared Spaces</i> Key Modules: Interaction with Machine Learning, Robotics, Biosensors and Bioelectronics, Climate Change Mitigation.		)9 2022
	<b>BASc Sciences and Engineering</b> , University College London Dissertation: <i>Stressed out Millennials and Wearable Devices</i> . Key Modules: Algorithms and Data Structures, Mathematical Methods, Programming. Game Theory, Cognitive Systems, Networked Systems, Connected Systems, Machine		)5 2019
	Learning, Nanotechnology, Internet of Things.		
EXPERIENCE	Machine Learning Architect, InferSensPart-timeDeveloped a range of machine learning models for embedded devices, including the conversion of models from Python to C for low-power hardware execution. Integrated LoRa-based devices with live data visualization dashboards.Part-time		04 2024
	<b>Research Assistant</b> (Systems), Computer Laboratory, University of Cambridge Engaged in sensor networks research, focusing on BIM, BMS, and IoT stack interoperability within smart buildings. Supervised by Prof Ian Lewis and Prof Richard Mortier. Audited modules: <i>Affective Computing, Mobile and Sensor Systems</i> .	09 2019 – 0	06 202
	<b>Research Assistant</b> (HCI), UCL Interaction Centre, University College London Developed a physical computing toolkit to help school children learn computer science con- cepts through movement and embodied interaction. Supervised by Prof Yvonne Rogers.	06 2019 – 0	03 2020
	<b>Digital Consultant</b> , TES Global Created and implemented a provisional recommendation engine based on matrix decompo- sition and conducted research to enhance the search algorithm for the product catalogue.	10 2018 – 1	2 2018
	<b>Visiting Researcher</b> , York Centre for Systems Analysis, University of York 07 2018 – ( Worked on the application of Evolving Computation in Materials (Evolution-in-Materio) and Reservoir Computing, utilizing Genetic Algorithms and Recurrent Neural Networks for modeling in-materio computing systems.		)9 2018
PUBLICATIONS	Privacy-Preserving Crowd Counting and Localisation using Face Detection in Edge Devices. J. Brazauskas, C. Jensen, M. Danish, I. Lewis, R. Mortier. EdgeSys '24: Proceedings of the 7th International Workshop on Edge Systems, Analytics and Networking.		2024
	Real-Time Data Visualisation on the Adaptive City Platform. J. Brazauskas, R. Verma, V. Safronov, M. Danish, I. Lewis, R. Mortier. BuildSys '21: Proceedings of the 8th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation.		2021
	DataMoves: Entangling data and movement to support computer science education J. Brazauskas, S. Lechelt, E. Wood, R. Evans, S. Adams, E. McFarland, N. Marquardt, Y. Rogers. <i>Designing Interactive Systems Conference 2021</i> , pages 2068-2082.		2021
	Data Management for Building Information Modelling in a Real-Time Adaptive Ci J. Brazauskas, R. Verma, V. Safronov, M. Danish, J. Merino, X. Xie, I. Lewis, R. Mortier. <i>arXiv preprint arXiv:2103.04924</i>	ty Platform.	2021
	DeepDish: multi-object tracking with an off-the-shelf Raspberry Pi. M. Danish, J. Brazauskas, R. Bricheno, I. Lewis, R. Mortier. Proceedings of the Third ACM International Workshop on Edge Systems, Analytics and Networking		2020
	DeepDish on a diet: low-latency, energy-efficient object-detection and tracking at the M. Danish, R. Verma, J. Brazauskas, I. Lewis, R. Mortier. Proceedings of the 5th International Workshop on Edge Systems, Analytics and Networking	ne edge.	2022

	RACER: Real-Time Automated Complex Event Recognition in Smart Environments R. Verma, J. Brazauskas, V. Safronov, M. Danish, I. Lewis, R. Mortier. Proceedings of the 29th International Conference on Advances in Geographic Information Systems	. 2021
	SenseRT: A Streaming Architecture for Smart Building Sensors. R. Verma, Justas Brazauskas, V. Safronov, M. Danish, J. Merino, X. Xie, I. Lewis, R. Mortier. <i>arXiv preprint arXiv:2103.09169</i>	2021
	An openBIM approach to IoT integration with incomplete as-built data. N. Moretti, J. Merino, <b>J. Brazauskas</b> , X. Xie, A.K. Parlikad. <i>Applied Sciences</i> , 10(22):8287.	2020
	Towards Seamless and Protocol-Independent IoT Application Interoperability. V. Safronov, J. Brazauskas, M. Danish, R. Verma, I. Lewis, R. Mortier. Proceedings of the Twentieth ACM Workshop on Hot Topics in Networks, pages 185-191.	2021
	<b>CDBB West Cambridge Digital Twin Lessons Learned.</b> I. Lewis, R. Mortier, <b>J. Brazauskas</b> , V. Safronov, R. Verma. <i>Cambridge University Information Services</i> , 2022.	2021
PROFESSIONAL	Dataviz and 3D: D3.js, Tableau, P5.js, Processing, Rhino, Unity, Fusion 360	
SKILLS	Programming Languages: Python, Javascript, Java, Matlab, Bash, SQL, C/C++	
	Core Skills: Git, LATEX, AWS, CLI	
SHOWCASES	Exhibited selected works at the Noise Art Exhibition by Savage at UCL Exhibited selected works at the Bartlett Summer Show in '17 and '18.	11 2019 06 2017 - 06 2018
Volunteering	<b>STEAM Education Mentor</b> , Camden STEAM Commission, London Promoted scientific engagement and encouraged school children to pursue careers in STEAM at the Royal Free Hospital.	10 2018 - 05 2019
	<b>Student Volunteer</b> , Great Ormond Street Hospital, London Presented novel tangible user interfaces developed at UCLIC to participants at the GOSH Open Day event.	07 2019