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Education _

University Of Warwick

Ph.D in Computer Science

University Of Wisconsin-Madison

M.S. IN COMPUTER SCIENCE

University Of Wisconsin-Madison

B.S IN COMPUTER ENGINEERING AND APPLIED MATHEMTICS

Coventry, United Kingdom

July 2022 - Current

Madison, WI, USA

September 2015 - December 2017

Madison, WI, USA

September 2011 - May 2015

Experience _____

Cambridge/London, United Amazon - UK Kingdom

APPLIED SCIENTIST March 2020 - November 2021

• Lead scientist for offline evaluation of dialogue systems in Alexa

Lead scientist for AI assisted UX development in Alexa

Amazon - USA Seattle, WA, USA

APPLIED SCIENTIST May 2017 - March. 2020

· Lead scientist for real time interactive search platform. Deployed in January 2018; currently supports 500 million users.

• Lead scientist for personalised news recommendations in Alexa

Soccer Without Borders Seattle, WA, USA

ADVISORY BOARD MEMBER AND HIGH SCHOOL COACH

- · Coached High School Soccer Team
- · Help with fundraising and coaching structure

University of Wisconsin-Madison

Madison, WI, USA June 2012 - December 2017

September 2019 - current

RESEARCH ASSISTANT

- Investigated sparse linear methods for EHR phenotyping under the supervision of Professor Robert Nowak and Professor Rebecca
- Software Developer for NEXT- a cloud based machine learning system for applying adaptive data collection under the supervision of Professor Kevin Jamieson. Algorithms used by the New Yorker for cartoon selection contest. NEXT: http://nextml.org/team/
- · Re-designed Targeted Projection Pursuit, an experimental framework to allow a scientist to directly query subjects' 2D mental models of a collection of objects to learn a high dimensional representation of the data.
- · Developed instructional material (https://tinyurl.com/4v2hptfk) for introduction to Computer Engineering via Robotics for Karu Sankaralingam

Publications ____

Interactive Proofs For Differential Privacy

ACM CCS, 2023

ARI BISWAS, GRAHAM CORMODE

ARI BISWAS, GRAHAM CORMODE

Copenhagen, Denmark

http://abiswas3.github.io/papers/CCS_2023.pdf

Interactive Proofs For Differential Privacy (Extended Abstract)

TPDP Workshop, 2023

http://abiswas3.github.io/papers/TpDpAbstract.pdf

Boston, USA

Seeker: Real-time interactive search

ACM SIGKDD, 2019

ARI BISWAS, THAI PHAM, MICHAEL VOGELSONG, BENJAMIN SNYDER, HOUSSAM NASSIF

Anchorage, USA

https://dl.acm.org/doi/10.1145/3292500.3330733

Adversarial principal component analysis.

IEEE ISIT, 2017

Daniel L. Pimentel-Alarcón, ARI BISWAS, Claudia R. Solís-Lemus

Aachen, Germany

https://ieeexplore.ieee.org/document/8006952

ARIBISWAS · CURRICULUM VITAE

Hands-on introduction to computer science at the freshman level

ACM SIGCSE, 2014

Raghu Balasubramanian, Zach York, Matt Doran, **Ari Biswas**, Timur Girgin, and Karu Sankaralingam https://dl.acm.org/doi/10.1145/2538862.2538889

Atlanta, USA

Honors & Awards _

Travel Grant Awarded to students with papers at the Theory and Practice Of Differential

Boston, MA

Privacy Workshop

Chancellors International Scholarship Awarded to the 30 most outstanding international University of

PhD applicants to the University of Warwick across all departments.

2011-2015 **Top 10% students ECE department**

UW Madison

Warwick

Teaching Experience

Computational Game Theory Oxford University

TEACHING ASSISTANT FOR MICHAEL WOOLDRIDGE
Michaelmas Term 2023

Introduction to Programming in PythonCS 301, UW MadisonTEACHING ASSISTANT FOR LAURA HOBBES LEGAULTFall. 2017

Introduction to Real Analysis Math 521, UW Madison

GRADER FOR BRIAN COOK Spring. 2017

Introduction to Optimization CS/ECE/ISyE 524, UW Madison

TEACHING ASSISTANT AND GRADER FOR LAURENT LESSARD

Spring. 2016

Theory and Applications of Pattern Recognition ECE/CS 532, UW Madison

Teaching Assistant and grader for Robert Nowak Fall. 2015

Introduction to Computer Engineering CS 252, UW Madison

Lab Assistant for Karu Sankaralingam Spring 2012, Spring 2014

Posters and Talks _

Interactive Proofs For Differential Privacy Scheduled Talk

CCS 2023 Copenhagen, Denmark, November 2023

Interactive Proofs For Differential Privacy

Poster

TPDP 2023 - Theory and Practice of Differential Privacy

Boston, MA, USA, September 2023

Interactive Proofs For Differential Privacy Talk

WARWICK POSTGRADUATE COLLOQUIUM IN COMPUTER SCIENCE (WPCCS)

Coventry, UK, March 2023

Interactive Proofs For Differential Privacy

Talk

AMAZON PRIME TALK SERIES (INVITED)

Seattle, WA, USA, October 2023

News Recommendations in Alexa using Contextual Bandits

Talk

Amazon Machine Learning Conference (AMLC)

Seattle, WA, USA, July 2019

Entity Matching for EHR- and Transcriptome-based Phenotyping Talk

CPCP Retreat (https://vimeo.com/173793012)

Madison, WI, USA, July 2016