Jason Samuel Lucas

Curriculum Vitae

Research Interest

keywords	**Natural Language Processing, Machine Learning, Misinformation Detection, Low-Resource Language Detection, AI-Powered Tools, Public Health, Social Network Analysis, Biomedical Informatics**.
Lab	**PIKE**, *Penn State Information, Knowledge, and Web Research Group*. **Advisor**: Prof. Dongwon Lee

Education

2021 -	**Ph.D. (Informatics)**, *Pennsylvania State University*, United States.
2018-20	**MPH (Epidemiology)**, *St. George's University*, Grenada. **Capstone:** Effects of Self-Care Applications in Prediabetics in Grenada: An Assessment of Compliance and Adherence with the Intervention (A Research Proposal)
2012-14	**M.Sc. (Computer Information Systems)**, *Boston University*, United States. **Concentration**: Health Informatics
2007-10	**B.Sc. *cum laude* (Information Technology)**, St. George's University Grenada.
2005-07	**A.S. (Information Technology)**, *T.A. Marryshow Community College*, Grenada.

Relevant Coursework

Informatics

2021	**College of Information Science & Technology**, *Pennsylvania State University*. ○ *IST 557:* Data Mining: Techniques and Applications ○ *IST 510:* Foundations of Computational Informatics ○ *IST 530:* Foundations of Social Informatics ○ *IST 510:* Computer-Supported Cooperative Work

Appointment

Academia

2021-	**Graduate Teaching Assistant**, *Pennsylvania State University*. ○ *IST 140:* Introduction to Application Development ○ *IST 210:* Organization of Data
June-21	**Instructor**, *St. George's University*, School of Medicine. ○ *PUBH 302: Public Health*, Introduction to Health Informatics ○ *BPM II: Basic Principles of Medicine*, Introduction to Biomedical Informatics

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June-21	**Demonstrator**, *St. George's University*, School of Medicine.
	○ *Support Clinical didactics and examination*
	○ *Headed the B-Line Division*
2010-11	**Adjunct Assistant Professor**, *St. George's University*, School of Arts and Science.
	○ *COMP 420:* Database Systems course
2010-11	**Certified Teacher I**, *Ministry of Education*, Government of Grenada.
	Caribbean Secondary Education Teacher
2010-11	**Facilitator**, *St. George's University*, Department of Educational Services, Grenada.
	Undergrad tutoring and small group facilitation

Awards and Fellowships

Fellowships ———.

2021-22	**Graduate Teaching Assistantship**, Penn State University.
2018-20	**Faculty Graduate Fellowship**, St. George's University.
2007-10	**Undergraduate St. George's University Scholarship**, *Government of Grenada*.

Award ———.

Jun.-21	**Funds for Excellence in Graduate Recruitment (FEGR)**, Penn State University.
May-18	**Chancellor's List for Academic Excellence**, *MPH*, St. George's University.
Jun.-12	**Excellence and Dedication to OSCE**, St. George's University.
May-10	**Dean's List for Academic Excellence**, *B.Sc.*, St. George's University.
May-08	**Chancellor's List for Academic Excellence**, *B.Sc.*, St. George's University.

Publications

Paper ———.

1. **Jason S. Lucas**, *Limeng Cui, Thai Le, and Dongwon Lee .2022.*, Detecting false claims in low-resource regions: a case study of Caribbean islands. In CONSTRAINT 2022: Second Workshop on Combating Online Hostile Posts in Regional Languages during Emergency Situation (ACL), pages 859–862. ACL.
   ○ *Accepted*

2. **Combating Misinformation in a long tail**.
   ○ *In-development*

Professional Development

Certificate ———.

Apr.-21	**Python programming**, *Purple Course, Python Is Easy*.
	○ Developed a two player card game called SCAT
2018-21	**Collaborative Institutional Training Initiative** , *(CITI)*.
	○ *Biomedical Human Subjects Research (IRB) Course*
	○ *Records Based Research*
	○ *Responsible Conduct of Research (RCR)*
	○ *Social and Behavioral Research Best Practices for Clinical Research*

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Feb.-20	**Global Compliance Training**, *Global conflicts of interest, global anti-bribery, global business ethics, foreign corrupt practices act and anti-money laundering.*
Jan.-20	**Family Educational Rights and Privacy Act for Higher Education**, *(FERPA).*
Conferences	——————.
Jul.-18	**Society for Simulation in Healthcare**, *(SSH)*, SimOps 2018, Portland, OR. 11.5 Accredited Hours of Inter-professional Continuing Education, Registration ID: 5009
Oct.-17	**B-Line Medical 3rd Annual Symposium**, *Laerdal Medical*, Washington, D.C.

Platforms and Skills

App.	——————.
Basic	WORD, ACCESS, EXCEL, VISIO, POWERPOINT, PROJECTS, TEAMS, OVERLEAF
Database	ORACLE, MYSQL, MICROSOFT ACCESS, MS SQL SERVER, NETBEANS
Proprietary	SIMCAPTURE, EXAMSOFT, EXAMPLIFY, SAKAI, CANVAS, PANOPTO, ZENDESK
Data Analytic	EPI INFO, GEODA, R, PYCHARM IDE, INTELLIJ IDE, GOOGLE COLLAB
Languages	——————.
Programming	CSS, PHP, HTML5, C++, JAVA, SQL, PYTHON

Information Systems Projects

Sep.-10	**Telemedicine & Virtual Hospital Teaching**, *St. George's University*, Grenada. *Led the team that gather functional requirement and made recommendations. Appropriated, piloted, tested, and technology. Trained participants and administered go-live.*
Mar.-20	**Online Clinical Evaluation Exercise Innovation**, *St. George's University*, Grenada. *In response to the COVID19 pandemic, I led the team that developed, tested, piloted, trained and executed the online objective structured clinical examination. My team re-engineered OSCE exam-flow and integrated with in-house platforms, done nowhere else in the world!*
Aug.-18	**OSCE Management Improvement Project**, *St. George's University*, Grenada. *led the OMI requirements gathering for students, faculty, and standardized patients.. Oversee the testing and implementation of new technologies to support medical education delivery.*
Aug.-13	**B-Line Expansion phase I Project**, *St. George's University*, Grenada. *Led the outfitting 8 additional Clinical Examination rooms with clinical equipment, B-Line Medical equipment, and other educational supporting technologies.*

References

Ph.D Advisor	**Dongwon Lee**, *Ph.D.*. *Phone: +1(814) 865-0687* *Email: dongwon@psu.edu* *Profile: https://pike.psu.edu/*
Undergrad Dean	**Theodore M. Hollis**, *Ph.D., Professor Emeritus*. *Phone: 1(954) 661-1773* *Email: theodoremhollis@gmail.com, thollis@sgu.edu* *Profile: https://www.linkedin.com/in/theodoremhollisphd/*

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