

Jason Samuel Lucas

Curriculum Vitae

Research Interest

keywords **Natural Language Processing, Machine Learning, Misinformation Detection, Low-Resource Language Detection, Linguistics, 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*

University Park – State College, PA, United States

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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

- Jun-22 **Linguistic Diversity Across the Lifespan**, NSF Graduate Fellowship (LINDIV).
- May-22 **Diversity & Inclusion Grant**, Association for Computational Linguistics (ACL).
- 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
- 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 **Association of Computational Linguistic, (ACL)**, 2022, Dublin, Ireland.
 Paper Presentation
- 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. _____.

Database ORACLE, MYSQL, MICROSOFT ACCESS, MS SQL SERVER, NETBEANS

Platform EPI INFO, GEODA, R, PYCHARM IDE, INTELLIJ IDE, GOOGLE COLLAB

Languages _____.

Programming PYTHON, SQL, L^AT_EX, CSS, PHP, HTML5, C++, JAVA

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 Dongwon Lee, Ph.D..

Advisor Phone: +1(814) 865-0687

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Profile: <https://pike.psu.edu/>

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Undergrad **Theodore M. Hollis, Ph.D., Professor Emeritus.**

Dean Phone: 1(954) 661-1773

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Graduate **Vladimir Brusic, Ph.D., BEng(Mech), MEng(Biomed), GDip(CompSci), MApp-
Prof. Sci(InfoTech), MBA.**

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Supervisor, Dolland Noel, M.D., FACP.

(Chair) Work: 444-4175 Ext: 3407/3172

Email: dnoel@sgu.edu

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Graduate Emanuel Keku, M.A, MSPH, M.D., FACP.

Prof. Work: 444-4175 Ext: 3026

Email: ekeku@sgu.edu

Profile: <https://www.sgu.edu/research/sgu-research/emmanuel-o-keku-ma-msph-md-faha/>