

Jason Lucas

Data Sci. & AI Research Scientist| PIKE Research Lab

Eric J. Barron Innovation Hub, Penn State| 954.864.4944 | jsl5710@psu.edu | www.jasonslucas.com

EDUCATION

THE PENNSYLVANIA STATE UNIVERSITY

PH.D. IN INFORMATICS

Data Science and AI

GPA: 3.9

Dec 2025 | University Park, PA

ST. GEORGE'S UNIVERSITY

MASTER OF PUBLIC HEALTH

Epidemiology

GPA: 3.83

May 2021 | Grenada, WI

BOSTON UNIVERSITY

M.Sc. IN COMPUTER INFO. SYS.

Health Informatics

GPA: 3.64

May 2014 | Boston, MA

ST. GEORGE'S UNIVERSITY

B.Sc. IN INFORMATION TECHNOLOGY

GPA: 3.64

May 2010 | Grenada, WI

LINKS

Website:// jasonslucas.comGithub:// [jsl5710](https://github.com/jsl5710)LinkedIn:// [jsl](https://www.linkedin.com/in/jsl)Google Scholar:// [jasonlucas](https://scholar.google.com/citations?user=jasonlucas)

INTEREST

*Artificial Intelligence**Natural Language Processing**Cybersecurity**Human Language Technology*

SKILLS

ARTIFICIAL INTELLIGENCE

NLP • ML • DL • Multilingualism

PROGRAMMING

Language:

Python • SQL • Java • \LaTeX

Familiar:

C++ • CSS • PHP • HTML

PLATFORM

Epi Info • R • GeoDa • SAS

PyCharm • Google Collab •

IntelliJ • Oracle • MSSQL

SERVICE

President • Graduate Student Assc.

Outreach Coordinator • LINDIV

Director • FitForLife Youth Dev. Prog.

EXPERIENCE

THE PENNSYLVANIA STATE UNIVERSITY | GRADUATE ASSISTANT

Aug. 2021 - Present | PA, US

- Research Assistant
 - Research novel Natural Language Processing approaches to combating long-tail fake news under **SysFake** headed by **Dr. Dongwon Lee's** stewardship.
 - Address disproportionate data distribution problems related to **multilingual, multi-domain, and low-resource languages**.
 - Apply sociolinguistics through NSF **LINDIV** research traineeship.
 - Gained experience with Python, PyTorch, Twitter API, Transformers (mBERT, XLM-R), Deep Learning Models, Classic Machine Learning Models, Web Scrapping (selenium, beautifulsoup4, newspaper3k)
- Teaching Assistant
 - Responsible for conducting office hours, managing classes, coaching students, recording attendance, grading assessment and providing written feedback.

ST. GEORGE'S UNIVERSITY | FACULTY

June 2011 – July 2021 | Grenada, WI

- Instructor, Demonstrator, Adjunct Professor, Facilitator
 - Served as Head of Division & Software Administrator
 - Lead teams, trained, and coordinated across SimCapture/Examsoft platforms
 - Mentored interns, supported clinical didactic and examinations
 - Taught graduate-level courses
 - Innovated an Online Objective Structured Clinical Examination during COVID-19.

GOVERNMENT OF GRENADA | CERTIFIED TEACHER I

Aug 2010 – Jul 2011 | Grenada, WI

- Managed Information Technology lab
- Taught Caribbean Secondary Education Certificate level Information Technology

INFO. SYS. PROJECT

TELEMEDICINE VIRTUAL HOSPITAL | ST. GEORGE'S UNIVERSITY

OCEX INNOVATION & B-LINE EXPANSIONS | ST. GEORGE'S UNIVERSITY

FELLOWSHIP

- | | |
|---------|--|
| 2022-24 | Linguistic Diversity Across the Lifespan, National Science Foundation. |
| 2021-22 | Graduate Teaching Assistantship, Penn State University. |
| 2018-20 | Faculty Graduate Fellowship, St. George's University |
| 2007-10 | Undergraduate Scholarship, Government of Grenada. |

AWARD

- | | |
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| 2022 | Funds for Excellence in Graduate Recruitment (FEGR), PSU |
| 2018 | Chancellor's List for Academic Excellence, MPH |
| 2012 | Excellence and Dedication to OSCE, SGU |
| 2010 | Dean's List for Academic Excellence, B.Sc |
| 2008 | Chancellor's List for Academic Excellence, B.Sc |

PUBLICATIONS

- [1] J. Lucas, L. Cui, T. Le, and D. Lee. Detecting false claims in low-resource regions: A case study of caribbean islands. In *Proceedings of the Workshop on Combating Online Hostile Posts in Regional Languages during Emergency Situations*, pages 95–102, Dublin, Ireland, May 2022. Association for Computational Linguistics.

