Curriculum Vitae

Of

Dr. Ilenius Ildephonce
Assisstant Lecturer
School of Science, Computing and
Artificial Intelligence
The University of the West Indies, Five
Islands

Date: April 2023

NAME AND DATE OF BIRTH

Ilenius Korongo Ildephonce

30 - August - 1990

DEPARTMENT/UNIT/SECTION

School of Science, Computing and Artificial Intelligence

FACULTY/DIVISION

Office of the Director of Academic Affairs, The UWI, Five Islands

POSITION

Lecturer

GENERAL AREA OF ACADEMIC SPECIALISATION

Computer Science

QUALIFICATION GRANTING INSTITUTION

The University of the West Indies   2022
PhD in Computer Science
Thesis Title: Effective educational games: Towards a mixed-initiative approach for creating design specifications
The University of Dodoma   2013
Bsc. in Information Systems

TRAINING

The University of The West Indies   2021
Quality Champion Workshop

Brookhaven National Laboratory, Upton - New York, USA   2018
Nuclear Nonproliferation, Safeguards, and Security (NNSS) in the 21st Century

PUBLICATIONS

Conference /Scientific Papers

1. **Ildephonce, I.**, & Allen, C. (2022). An Ontological Model to Design the Specifications of Effective Educational Games. In *International Conference on Games and Learning Alliance* (pp. 335-341). Springer, Cham

2. **Ildephonce, I.**, Mugisa, E. and Allen, C., 2018, July. Learning Objects in Instructional Serious Game Design. In *2018 IEEE 18th International Conference on Advanced Learning Technologies (ICALT)* (pp. 119-121). IEEE.

3. **Ildephonce, I.**, Mugisa, E. and Allen, C., 2015, October. Serious Games: Learner Assessment in Serious Game Design, a Framework for Assessment Metric Identification and Integration in the Game Mechanic. In *E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 1115-1121). Association for the Advancement of Computing in Education (AACE).

REFEREED PUBLICATIONS

1. Allen, C. & **Ildephonce, I.** (2023). Communicability - A Software Quality Attribute Proposal. In *SouthEast Conference*. IEEE (Accepted)

2. **Ildephonce, I.**, Allen, C., and Mugisa, E., Observations on the alignment of learning elements and game elements during the design of digital educational games. (Submitted)

DISTINCTIONS, HONORS, SCHOLARSHIPS AND AWARDS

1. Departmental Awardee (Postgraduate Student Scholarship)   2014-2021

PAPERS PRESENTED

Papers Presented at Academic Conference and Seminars

1. **Ildephonce, I.**, Mugisa, E. and Allen, C., 2018, July. Learning Objects in Instructional Serious Game Design. In *2018 IEEE 18th International Conference on Advanced Learning Technologies (ICALT)* (pp. 119-121). IEEE.

2. **Ildephonce, I.**, Mugisa, E and Allen, C., 2018. Why Serious Games Matters. *11th Faculty of Science and Technology Conference, Science for Society: F.I.T. for purpose.*

3. **Ildephonce, I.**, Mugisa, E. and Allen, C., 2015, October. Serious Games: Learner Assessment in Serious Game Design, a Framework for Assessment Metric Identification and Integration in the Game Mechanic. In *E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 1115-1121). Association for the Advancement of Computing in Education (AACE).

Special Presentation and Invited Lectures

- **The UWI, Five Islands World Quality week**   11 Nov. 2022
  Presenter
  Topic: Towards an Early Alert System: Extracting Insights from Moodle Log Files and its impact on student performance.

- **6th IEEE Consumer Technology Society (CTSoc), Entertainment and Gaming-Technical Committee (ENT-TC)**   26 August 2022
  Invited Speaker
  Topic: Towards a Mixed-initiative Approach for Creating Design Specifications

- **iHARP Institute Seminar Series** 21 June 2022
  Invited Speaker
  Growth and Resilience Dialogue: Climate resilience AI Data Challenge - second prize winners presentation

PUBLIC SERVICE

- **Newspaper Article Feature** 6 Sept. 2022
  Youth Zone: Artificial Intelligence
  The Daily Observer

- **Girls in ICT Day, Caribbean Hackathon** 2018
  Mentor

OTHER PROFESSIONAL ACTIVITY AND EXPERIENCE

- **IEEE Consumer Technology Society (CTSoc), Entertainment and Gaming** 2022-Present
  Member, Technical Committee

- **The African Journal of Information Systems** 2023
  Reviewer

- **IEEE** 2018
  Student Member

- **2nd Software Engineering Mini Conference** Nov. 2021
  Department of Computing, The UWI-Mona
  Session Co-Chair

- **1st Software Engineering Mini Conference** Nov. 2020
  Department of Computing, The UWI-Mona
  Session Chair

RESEARCH GRANTS

1. CLimate Insights and Knowledge Structures for Economic Sustainability in the Caribbean (Project CliKE) - 299,267 EUR Co-PI 2023-2024

2. Sargassum beaching in Antigua and Barbuda. ECCB - 15000 USD 2023-2024

TEACHING AND RELATED EXPERIENCE

I coordinate all activities both in the preliminary and undergraduate programs. My teaching responsibilities have been both in the Preliminary and undergraduate programs. Duties include timetabling, preparation and delivering lectures in the classroom, tutorials, labs and coordinating students' projects. Evaluation of students is done both by coursework, and written and practical examinations. My responsibilities in the evaluation of students include preparation of coursework, labs, projects, quizzes and other assignments, marking assignments and giving students feedback. Examination duties include setting examinations and marking examination papers and attending Board of Examiners' meetings.

TEACHING: PRELIMINARY COURSES
2021-2022

COMP0001 Preliminary Computer Science I	First Examiner
COMP0002 Preliminary Computer Science II	First Examiner

TEACHING: UNDERGRADUATE COURSES
2022-2023

COMP2225 Software Engineering	First Examiner
COMP2232 Object-Oriented Programming Concepts	First Examiner
COMP3320 Fundamentals of Operating Systems	First Examiner
COMP1210 Computing II	First Examiner

2021-2022

COMP1205 Computing I	First Examiner
COMP1210 Computing II	First Examiner
COMP2225 Software Engineering	First Examiner
COMP1180 Mathematics for Computer Science I	Second Examiner
COMP2220 Computer Systems Architecture	Second Examiner
COMP2611 Data Structures	Second Examiner

CONTRIBUTION TO DEPARTMENT

- **The UWI's 75th Anniversary Cross-Campus Hackathon Coordinator** Feb. - June 2023
  Coordinate and organize a cross-campus hackathon

- **GRD Climate Resilience Challenge Teams Coordinator** ECCB   Feb. - Apr. 2022
  Second prize winner (USD 3500)- Team Leader

- **FIC teams Hackathon Coordinator**   Oct. 2022
  Mentored Five Islands Students who participated in 2 days Hackathon (SacHack Hackathon

- **FIC teams Hackathon Coordinator**   Oct. 2021
  Mentored Five Islands Students who participated in 3 days Hackathon (Hack-UMBC Hackathon

EXTRA DEPARTMENTAL - UWI SERVICE

- **Interim Head of School**   2022-2023
  School of Science, Computing and Artificial Intelligence
  The UWI- Five Islands

- **University Senate**   2022- 2023
  Academic Board Representative on the Senate

- **Campus Council - Open Campus**   2022 - 2023
  Member, Five Islands Campus Representative

- **Campus Academic Board - Five Islands**   2022 - 2023
  Member

- **Campus Research Ethics Committee - Five Islands**   2022 - 2024
  Member

- **Campus Graduate Studies and Research Committee - Five Islands**   2022 - 2024
  Member

- **Online Faculty Development Committee**   2021 - 2023
  Member and Five Islands Campus Representative

- **Campus Quality Assurance Committee - Five Islands**   2022 - 2023
  Member

OTHER WORK EXPERIENCE

- **Tutor**   2015-2021
  Department of Computing- The UWI, Mona

- **Web Publisher**   2014-2021
  Department of Computing- The UWI, Mona