

LEONIDAH CHEPKOECH

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SUMMARY

PhD in Computer Science student with project experience in ECG Classification using Deep Learning and work experience in Software Development.

EDUCATION

PhD in Electrical Engineering and Computer Science Graduating May 2027
Wichita State University
Relevant coursework: Machine Learning, Deep Learning

MS in Computer Science Aug 2021 - Dec 2023
Wichita State University
Relevant coursework: Advanced Analysis of Algorithms, Software Analysis Methodologies, Mobile Development

TECHNICAL SKILLS

Programming: Python, C++, SwiftUI

Tools: GitHub, Docker, SQL Server, Google Colab, Jupyter

Certification: Google Data Analytics, Product Management Certification, IBM Business Intelligence Analyst Mastery

PROFESSIONAL EXPERIENCE

Wichita State University, Wichita, KS: Graduate Teaching Assistant Aug 2022 – Present

- Creating and teaching Programming courses using C++ and conducting lab sessions to help students understand fundamental concepts of OOP and debug programs.
- Grading exams and facilitating student hours.

Lynk Jobs Limited, Nairobi, Kenya: Junior Software Developer June 2019 – July 2020

- Implemented and deployed front-end UI components for improved UI/UX experience for clients using tools such as SASS, CSS3, HTML5, JavaScript, and Bootstrap.
- Created and delivered presentations using PowerPoint to train sales representatives on new product features.

Navis, Flensburg, Germany: Software Developer Intern Jan 2017 – March 2017

- Developed and deployed front-end application modules using AngularJS.
- Collaborated with senior and peer engineers to resolve bugs and create product documentation and reports.

ACADEMIC PROJECTS

ECG Classifications Spring 2024
ECG Rhythm classification using Deep Learning

- Collaborated in a team of two to train a deep learning model to understand ECG Rhythm classification using CNN and Attention Mapping. (CNN, Attention Mappings, PhysioNet Challenge 2017 Dataset).

OTHER WORK EXPERIENCE

Wichita State University, Wichita, KS: Student Assistant May 2023 – Aug 2023

- Tutored 10-15 undergraduate students per week in C++ programming and math coursework.
- Performed administrative tasks like responding to emails and phone calls, scheduling appointments, and keeping office inventory.

ACTIVITIES

Graduate Student Council (GSC) Sep 2023 – Present
College of Engineering Councilor

- Collaborated with the Graduate School to create solutions to issues faced by graduate students.