

CYRIL AGBEWALI-KOKU

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PROFESSIONAL SUMMARY

Results-oriented Computer Science professional and PhD Student at the University of Maine, combining an MSc in Computer Science with practical experience in Full-Stack Web Development and AI research. Currently serving as a Python Lab Coordinator, managing technical instruction for undergraduate students. Proven track record of delivering technical solutions, from optimizing WordPress platforms to publishing IEEE research and seeking to leverage expertise in Python, Machine Learning, and Software Engineering to deliver scalable industry solutions.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript (ES6+), HTML5, CSS3, SQL.
- **AI & Machine Learning:** TensorFlow, NumPy, Generative AI.
- **Web Development:** WordPress Development, Responsive Design, UI/UX Principles.
- **Tools & Software:** Git, Figma, Adobe XD.

PROFESSIONAL EXPERIENCE

UNIVERSITY OF MAINE | Maine, USA

Graduate Teaching Assistant (Python Course & Lab Coordinator) | *Jan 2024 – Present*

- Lead and coordinate laboratory sessions for the Introduction to Python course, managing logistics and curriculum delivery for undergraduate students.
- Guide students through core computer science concepts including debugging, algorithm design, and data structures.
- Evaluate student code for efficiency and syntax accuracy, providing actionable feedback to improve software engineering practices.

STEMED BANGLADESH | Dhaka, Bangladesh

Lead Technical Instructor | *Oct 2023 – April 2025*

- Designed and implemented a comprehensive coding curriculum (Python, Web Basics) for students ages 8-16, resulting in measurable improvements in student coding proficiency.
- Analyzed student performance data to customize instruction and optimize learning outcomes for diverse groups.
- Led technical workshops and managed classroom logistics to ensure high engagement and retention.

DAFFODIL INTERNATIONAL UNIVERSITY | Dhaka, Bangladesh

Research Associate (AI & Data Analytics) | *Feb 2022 – Dec 2022*

- Co-authored and published a systematic review on Machine Learning techniques in online learning platforms (IEEE).
- Instructed undergraduate laboratory sessions in Pervasive Computing, Data Analytics, and Introduction to AI.
- Conducted extensive literature reviews and research on integrating AI into Learning Management Systems (LMS).

YELLOWCODE | Ghana

WordPress Developer | Apr 2021 – Dec 2021

- Engineered custom WordPress design packages, reducing client review iterations and accelerating project delivery.
- Trained the development team on advanced theme customization using CSS and JavaScript, improving team efficiency.
- Led the UI/UX redesign of a key mobile application, enhancing user experience and interface responsiveness.

SORONKO BUSINESS SOLUTION CENTRE | East Legon, Ghana

Manager & Web Developer | Oct 2020 – Apr 2021

- Managed the end-to-end development lifecycle of client websites using WordPress CMS.
- Directed a team of interns through a 90-day intensive web design and development project, delivering high-quality client solutions.

SIMPLIEXPAND | Oyarifa, Ghana

Front-End Developer | July 2020 – Sept 2020

- Executed a complete redesign of the company website to align with modern web standards.
- Proposed and architected a framework for an online business analytics tool, streamlining social media reporting for over 50 clients.

SORONKO ACADEMY | East Legon, Ghana

Software Trainer | July 2018 – Oct 2020

- Scaled digital adoption for over 200 women-led businesses by providing technical training on Google Cloud Suite and digital marketing tools.
- Digitized 100% of class materials and assisted in the development of an online digital literacy platform.

EDUCATION

PhD in Computer Science | University of Maine, USA | In Progress

MSc. Computer Science and Engineering | Daffodil International University, Bangladesh | 2023

BSc. Computer Engineering | Ghana Technology University College, Ghana | 2018

CERTIFICATIONS

- **Supervised Machine Learning:** DeepLearning.AI, Stanford (Aug 2024)
- **Technical Support Fundamentals:** Google (July 2020)
- **HTML, CSS & JavaScript for Web Developers:** Johns Hopkins University (June 2020)
- **Introduction to Artificial Intelligence:** IBM (Feb 2020)