Edmond Mbadu

Las Vegas, NV 89156
Email: mbadungoma@gmail.com | Portfolio: ed-mon.com | LinkedIn

Education

Drexel University | Philadelphia, PA
Master of Science in Computer Science | September 2021 - June 2023

Chestnut Hill College | Philadelphia, PA
Bachelor of Science in Mathematics & Computer Science | August 2016 - May 2020
Honors: Summa Cum Laude

Skills

- Programming Languages: C, C#, Python, Java, PHP, JavaScript, TypeScript, Swift
- Web Development: Angular, Django, PHP Laravel, Java Spring, Node.js, HTML, CSS
- Operating Systems: Unix, Linux, Inferno
- Software Testing: Unit testing (Jasmine, Karma, Junit, PyTest), integration testing
- Data Structures & Algorithms
- AI & Machine Learning: PyTorch
- Tools: Google Cloud Platform, Firebase, AWS, Docker, Git, GitHub, SQL

Relevant Experience

Intel Inc | Software Engineer Intern (Remote) | July 2022 - December 2022

- Co-designed an interactive dashboard with clients and data scientists, enhancing user experience and data visualization.
- Successfully developed and launched a web application dashboard showcasing machine learning insights through 3D/2D graphics and analytical summaries.
Tools: Angular, Django, Git, GitLab

Lendio Inc | Software Engineer | February 2021 - September 2021 | Lehi, UT

- Architected and deployed database structures for seamless back-end integrations, improving system efficiency.
- Halved document upload times through targeted algorithm enhancements.
- Pioneered an automated system for document analysis, extracting over 100 data points to streamline operations.
- Managed and refined the testing infrastructure for the document automation team, ensuring robust application performance.
Tools: PHP Laravel, Angular, Node.js, SQL, Django, Docker, Git, GitHub

GEM NGO | Web Developer | October 2016 – May 2020 | Philadelphia, PA
- Developed and maintained the organization's website, consistently optimizing code for improved performance and user experience.
Tools: HTML, CSS, JavaScript, PHP, Git

Projects

New WorldGame: web platform to design, write and share solutions to world problems.
 August 2023 – Present

- Led full-cycle development of innovative applications, from conception to launch (see here).
- Direct the lifecycle design, coding, testing, and deployment of software solutions.

Tools: Angular, Google Cloud Platform, Firebase, GitHub.

Kank: microfinance tracking tool for a local business to insure ease of management processes.
July 2023 – Present
- Led full-cycle development of innovative applications, from conception to launch (see here).
- Direct the lifecycle design, coding, testing, and deployment of software solutions.

Tools: Angular, Google Cloud Platform, Firebase, GitHub.

Publications

- Mbadu, E. (2023) Considering a Superposition of Classical Reference Frames. Journal of Mathematical Physics, November 2023 (link)
- Mbadu, E. (2019). Why elliptic curve Diffie-Hellman (ECDH) is replacing Diffie-Hellman (DH). *Journal of Computing in Colleges*, Volume 35, Issue 3. October 2019, pp 218
- Undergraduate Thesis: Cryptography from Classical to Post-Quantum.

Awards

- Best Student Paper at The Eastern Consortium of Computing 2019: Why Elliptic Curve Diffie-Hellman (ECDH) is Replacing Diffie-Hellman (DH)