

Faith Fru Nchang

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EDUCATION

Montgomery College, A.A. in computer science; GPA: 4.0/4.0

Expected Dec. 2024

Relevant coursework: C/C++ programming, Java programming, data structures and algorithms, discrete math, Calculus I & II, Linear Algebra, Python, OOP.

Extracurriculars: AI & ML Club member, Raptors Who Code member, Student Government Association.

TECHNICAL SKILLS

Programming Languages: Python, C/C ++, Java, HTML/CSS, JavaScript, SQL, MatLab, PostgreSQL.

Libraries & Frameworks: Pandas, React, jQuery, sci-kit-learn, TensorFlow, NumPy, Matplotlib.

Software/Tools: Jupyter Notebooks, Git/GitHub, Eclipse, VS Code, Figma, PyCharm, Microsoft Suite, Google Analytics.

PROFESSIONAL EXPERIENCE

HeadStarter AI

Remote

Software Engineer Fellow

Jul. 24 – Present

- Engineering 5+ **AI** applications and **APIs** using **NextJS**, **ExpressJS**, **OpenAI**, **NodeJS**, **Pinecone**, and **Stripe API**, achieving **96%** accuracy across over 1,000 users.
- Spearheaded end-to-end project development from design to deployment, leading a team of **4+** engineering fellows with **MVC** design patterns.
- Mentored by senior engineers from Amazon, Blumberg, and Capital One on Agile methodologies, **CI/CD** pipelines, **Git** workflows, and Microsoft best practices.

UMBC

Catonsville, MD

Water Research Intern

Jul.2024

- Utilized analytical skills to research water issues in our communities to develop a digital story.
- Leverage **Python**, **Java**, and **Arduino platforms** to build a temperature and turbidity water sensor, achieving a **75%** increase in contaminant detection.
- Collaborated with a multidisciplinary team of 3 to integrate **hardware** and **software** solutions for water quality monitoring.

SciTech2U

Columbia Heights, DC

Summer Camp/Computer Science Intern

June 2024 – present

- Tutored high school and middle school students in biotechnology, leading to a **79%** performance increase.
- Collaborated on curriculum development interconnecting computer science and biology, resulting in a **50%** increase in program enrollment.

Olive Consulting

Rockville, MD

After School Coding Instructor

Jan. 2024 – May 2024

- Led coding classes for 20 students, utilizing Python for script coding and Scratch for block coding, fostering problem-solving skills and achieving a **75%** increase in student performance.
- Collaborated with a team of five instructors, cultivating a collaborative environment to nurture creativity, and implementing strategies that significantly enhanced student engagement and learning.

PROJECT EXPERIENCE

Portfolio Website | [Link](#)

Jul. 2024.

- Created a responsive website using HTML, CSS, and JS, increasing interaction by 30%.
- Enhanced **UI/UX** to ensure a user-friendly and visually appealing experience.
- Managed deployment and **version control** using **Git** and GitHub for efficient updates.
- Applied **SEO** best practices to boost website visibility and search engine ranking.

Google Route Finder Simulator | Java | [Link](#)

Nov. 2023.

- Developed a network management application with shortest-path algorithms, similar to Google Maps.
- Applied **SDLC** methodologies for development, **testing**, and **deployment** to ensure robust functionality
- Conducted unit testing, validated the application, and deployed it on **GitHub** for version control and collaboration.

Soft Skills

Management | Problem-solving | Critical Thinking | Collaboration | Effective Communication | adaptability | Creativity | Attention to detail | Leadership | eager learner | Teamwork | self-motivated | multi-tasking | documentation | curious

Licenses & Certifications: [Introduction to Machine Learning](#)