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Subject: Application for Middle School Coding and Robotics Teacher Position at NSU University School

Dear Dr. Moore,

When I first started teaching coding, my goal was simple: to step out of my comfort zone and improve my public speaking. As a Computer Science student at Florida Atlantic University, I was used to solving problems through code, but I wanted to challenge myself beyond the screen. However, I quickly realized that teaching coding was about much more than my personal growth. It was about introducing students to opportunities that could change their lives and their families' futures.

At the Crockett Foundation, I have worked to make coding engaging, relevant, and accessible for middle and high school students. I have designed interactive lesson plans, organized hackathons, and created hands-on projects that encourage creativity and critical thinking. My focus is not just on syntax and logic but on helping students develop problem-solving skills and see real-world applications of technology in areas like robotics and web development. Seeing students transform from hesitant learners to confident coders has been incredibly rewarding.

In addition to teaching, I have gained industry experience through my software engineering internship at Lincoln Financial Group and my upcoming internship at Splunk this summer. These experiences allow me to bring practical, career-focused lessons into the classroom and help students connect coding to real-world applications.

Beyond my work in the classroom, I am actively involved in ColorStack, Management Leadership for Tomorrow, and Break Through Tech AI, where I mentor students, contribute to open-source projects, and stay current with advancements in artificial intelligence.

I am excited about the possibility of bringing my passion for coding education to NSU University School and helping students discover the power of technology. I would love the opportunity to discuss how my background aligns with your vision for the Coding and Robotics program. Please feel free to contact me at your earliest convenience.

Thank you for your time and consideration. I look forward to the opportunity to contribute to NSU University School's mission and inspire the next generation of innovators.

Best regards,
Aymerick Osse

Aymerick Noah Osse

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EDUCATION

Florida Atlantic University

Boca Raton, FL

Bachelor of Science in Computer Science, Minor in Artificial Intelligence

Expected December 2025

Relevant Coursework: Data Structures & Algorithms, Python programming, OOP & Design, Programming II

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, C, HTML, CSS

Tools/Technologies: React.js, Node.js, Flask, Tailwind, SQL, PostgreSQL, Supabase, Git, GitHub, GitLab, API, AWS

WORK EXPERIENCE

Splunk

Boulder, CO

Incoming Software Engineering Intern

May 2025 – Aug 2025

Break Through Tech

remote

AI/ML Fellow

Feb 2024 – Present

Bloomberg X Colorstack

remote

Software Engineer Mentee

Feb 2024 – Present

Crockett Foundation

Fort Lauderdale, FL

Lead Coding Instructor & Mentor

Aug 2023 – Present

- Collaborated with a team of 3 instructors to lead and inspire a group of over 100 students.
- Created lesson plans that boosted student engagement by 40% and improved learning outcomes by 30%.
- Mentored diverse students through 10+ projects, achieving a 95% completion rate with 100% positive feedback.

Lincoln Financial Group

Radnor, PA

Software Engineer Intern

Jun 2024 – Aug 2024

- Streamlined an internal app's interface, reducing credit risk analysis time by 30%.
- Implemented a search filter system using Python and Flask, improving data retrieval speed by 40%.
- Redesigned the user interface from an outdated design to a modern layout, boosting user satisfaction by 50%

Inner Loot Innovations

Tamarac, FL

Software Engineer Research Intern

Jan 2023 – May 2023

- Performed in-depth research on fitness and notes apps, enhancing market understanding by 20%.
- Facilitated cross-functional collaboration, reducing development time by 25% through streamlined requirements.
- Maintained meticulous documentation, decreasing miscommunication-related setbacks by 30%.

PROJECTS

Haven (React.js, Tailwind, Python, Flask, SQL)

- Worked with a team of four to develop a web app connecting disaster victims with supporters for aid and housing.
- Crafted responsive UI components with Tailwind CSS to enhance usability and visual appeal across devices.
- Built backend functionality with Python and SQL for efficient data management and dynamic content delivery.

Reddit Shorts Automation (Python, MoviePy, Reddit API, gTTS)

- Automated video creation by converting Reddit posts into short-form videos, reducing editing time by 90%.
- Used MoviePy for video editing and gTTS for AI-generated voiceovers, improving content creation speed by 3x.
- Automated post fetching, text-to-speech, and rendering, generating videos in under 30 seconds..

Pokedex (React.js, Tailwind, Supabase)

- Engineered a Pokedex website with comprehensive details on every Pokémon and a vibrant community section.
- Implemented a robust search and filter system, reducing average search time by 40%.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow

Washington, DC

Career Preparation Fellow

Oct 2023 – Present

Hosanna Christian Center

Miami, FL

Media Coordinator

Jun 2023 – Present

OTHER AFFILIATIONS AND LANGUAGES

Affiliations: CodePath, Colorstack, NSBE, SHPE, Init FIU, Break Trough Tech

Languages: English, French, Creole

