

LUCAS ENG

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EDUCATION

New York University, Tandon School of Engineering , New York, NY	December 2024
Bachelor of Science, Computer Science with Math Minor	

EXPERIENCE

Computer Science Teaching Assistant, NYU	August 2023- Present
<ul style="list-style-type: none">Facilitate undergraduate lab sessions, providing instructional support and clarifying programming concepts to enhance student comprehensionConduct weekly office hours to address and resolve diverse programming queries	

OPEN SOURCE

Javascript/MathJS	April 2024- Present
<ul style="list-style-type: none">Contributing to the open-source JavaScript library, math.js, by developing and implementing new functionalitiesWriting and executing comprehensive test cases to ensure code reliability and performanceEnsuring code quality and consistency by adhering to JavaScript Standard Style guidelines	

PROJECTS

Ethernet-to-Wireless Converter, Personal	March. 2024 - Present
<ul style="list-style-type: none">Developed an Ethernet to Wireless converter on a Raspberry Pi, leveraging advanced C programming to manage network configurations and interface operations.Demonstrated proficiency in Linux server environments, networking protocols, and the C programming language	
Database Interface for Administrative Systems, NYU	August. 2023 - December 2023
<ul style="list-style-type: none">Engineered an integrated web-based application using relational database principles, optimizing the user interface for seamless database interaction. Leveraged E-R modeling, SQL, and NoSQL database management systems to meet complex data requirements efficiently	
Machine Learning Classification Project, NYU	Mar. 2023 - June 2023
<ul style="list-style-type: none">Utilized Numerical Python and Pandas to develop an ensemble system for classification of data relating to academic performance including SVM/Neural Network/Linear Regression	

CERTIFICATIONS

CLF-C02: AWS Certified Cloud Practitioner	April. 2024 - Present
<ul style="list-style-type: none">Certification in Amazon Web Services cloud technology	

COURSEWORK

<ul style="list-style-type: none"><i>Operating Systems</i><i>Relational Databases/NoSQL</i><i>Applied Cryptography</i>	<ul style="list-style-type: none"><i>Agile/Scrum</i><i>Data Analysis / Machine Learning</i>
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SKILLS

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- Languages/Frameworks (Proficient):* Python, C, C++, CSS, HTML, Java, SQL, SciKit, PyTorch, OpenGL
 - Machine Learning:* SciKit, Pandas/Numpy Libraries,
 - Misc:* Computer Architecture, Computer Networking, Git/GitHub, API