

EDUCATION

<div><div>The Ohio State University</div><div><div>Bachelor of Science in Computer Science and Engineering</div><div><div>Awards: Dean’s List, Excellence Fellowship In Computing Scholarship Award</div><div>Relevant Coursework: Neural Networks, Data Structures and Algorithms, Operating Systems, Relational Database</div></div></div></div>	<div>Columbus, OH</div> <div>Expected December 2026</div>
<div><div>Cornell University</div><div><div>Certificate in Machine Learning</div><div><div>Accepted into the highly selective Break Through Tech AI Program, offered at Cornell University focused on data science, artificial intelligence, and machine learning.</div></div></div></div>	<div>Remote</div> <div>Expected August 2025</div>

TECHNICAL SKILLS

<div><div>Programming Languages: Python, Java, C, Dart, Javascript(ES6+), Typescript, Rails, Swift</div><div>Tools &amp; Frameworks: React.js, Docker, Github Actions, JUnit, Pytest, Amazon EC2, RabbitMQ, Spring-Boot</div><div>Database: PostgreSQL, Google Firestore</div></div>
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EXPERIENCE

<div><div>Core Perception Algorithm Developer</div><div><div>Buckeye Autodrive, Ohio State University</div><div><div>Developed and implemented cutting-edge 2D and 3D detection/classification algorithms using Convolutional Neural Networks, enhancing vehicle perception capabilities.</div><div>Worked on 2D/3D sensor fusion, lane detection, HD mapping, and V2X communication to improve real-time data processing and decision-making for autonomous vehicles.</div><div>Collaborated closely with a team to ensure seamless integration of algorithms on the Chevrolet Bolt.</div></div></div></div>	<div>Jan 2024 – Present</div> <div>Columbus, OH</div>
<div><div>Software Engineer</div><div><div>PawsAI (Contract)</div><div><div>Designed tiered caching architecture combining per-connection LRU (Least Recently Used) buffers with Redis global persistence, achieving 65% Database query reduction and 78% faster API responses for transcript-heavy operations.</div><div>Engineered fault-tolerant WebSocket manager with connection pooling and heartbeat monitoring, handling 300+ simultaneous connections with 99.97% uptime and less than 200ms latency for real-time transcript interactions.</div></div></div></div>	<div>January 2025 – Present</div> <div>Remote</div>
<div><div>Software Engineering Fellow</div><div><div>Headstarter AI</div><div><div>Developed 3+ AI-powered tools that solved user pain points like onboarding, document retrieval, and payment automation—earning a 98% satisfaction rate from 30+ real users.</div><div>Received coaching from engineers at Amazon, Bloomberg, and Capital One on Agile methodologies, CI/CD practices, Git, and microservices architecture</div></div></div></div>	<div>July 2024 – Aug 2024</div> <div>Remote</div>
<div><div>Software Engineering Intern</div><div><div>Yinsight</div><div><div>Leveraged Dart, Swift, and Python to develop a cross-platform mobile app, Yinsight, designed to enhance student learning through active recall techniques.</div><div>Followed MVVM design principles and integrated third-party APIs, such as Google Calendar two-way synchronization, to streamline onboarding and improve functionality by 25%.</div><div>Designed and maintained database systems, reducing latency by 30% and improving data management and authentication.</div></div></div></div>	<div>Aug 2023 – Jan 2024</div> <div>Columbus, OH</div>

PROJECTS

<div><div>Pandas_TA Imbalance Indicator - Open Source Contribution   Python, pandas_ta</div><div><div>Contributed to the pandas_ta library by adding an imbalance indicator, improving decision-making for 3000+ algorithmic trading developers.</div><div>Implemented the indicator to provide insights into market trends and potential reversals, aiding in the development of robust trading strategies.</div><div>Utilized mathematical models such as moving averages and standard deviation to analyze market trends and detect potential reversals, supporting the creation of more effective trading strategies.</div></div></div>
<div><div>IndoorNav   Dart, Flutter, TensorFlow, REST API</div><div><div>Built a mobile app used by 50+ students to easily navigate complex buildings, reducing wayfinding time and frustration during campus events and classes.</div></div></div>

LEADERSHIP

<div><div>Management Leadership for Tomorrow (MLT)</div><div><div>Career Prep Fellow</div><div><div>Accepted into a highly selective 18-month professional development program for high-achieving diverse talent.</div><div>Completed business case studies and assignments to develop leadership, analytical, and technical skills.</div><div>Participated in exclusive conferences and workshops led by companies such as Deloitte, LinkedIn, and Target.</div></div></div></div>	<div>January 2025 – Present</div>
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VOLUNTEERING & ACTIVITIES

<div><div>Mentored and taught weekly remote sessions on Software Development and RESTful Architecture with AfricaCodes.</div><div>Active participant in ColorStack, NSBE Region IV, and SEO.</div></div>
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