

Nathan Bezebeh

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EDUCATION

VIRGINIA TECH, College of Engineering Bachelor of Science, Computer Science Concentration in AI, Minor in Cybersecurity Relevant Coursework: Data Structures & Algorithms, Intro to Computer Organization, Intro to Problem Solving	Blacksburg, VA May, 2027
NORTHERN VIRGINIA COMMUNITY COLLEGE Associates of Science, Computer Science <i>GPA 3.55, Magna Cum Laude, Dean's List Every Semester, Presidential Scholar</i> Relevant Coursework: Object Oriented Programming, Intro to Discrete Structure, Data Struct. & Analysis of Algorithms	Alexandria, VA May, 2025

TECHNICAL

Certifications: CodePath Intro to Cybersecurity, Oracle AI Foundation, Oracle Data Science Pro
Programming Languages: Python, Java, C++, JavaScript, TypeScript, SQL, HTML/CSS, R
Tools: VSCode, GitHub, RStudio, AutoCAD, Inventor, Onshape, MATLAB, Google Suite, Microsoft Suite, Excel, Canva
Frameworks: React.js, Next.js, Firebase, Berkeley Madonna, jGRASP
Concepts: OOP, DSA, AI/ML, Cybersecurity, Data Modeling, REST APIs, Discrete Math, Cloud Computing, DBMS

EXPERIENCE

CURE Computational Biology Researcher	Normal, IL June 2025 – August 2025
<ul style="list-style-type: none">Researched COVID-19 exposure-to-infection probabilities in controlled classroom environments by compartmentalizing patients into sample groups to simulate and counteract COVID-19 transmission dynamicsOptimized research workflows using RStudio and Google Colab by structuring a Python script for predictive analytics and computational analysis for the university's lead researching team that improved researching efficiency by 300%Developed statistical models in Berkeley Madonna using R and random forest algorithms that enhanced homology prediction accuracy, infection-control strategies, & reduction of disease propagation by 25% to meet deliverables	
HEADSTARTER AI AI Fellow	Remote June 2024 – December 2024
<ul style="list-style-type: none">Built a Python and Rasa LLM chatbot linked to an OpenAI API with 1000+ lines of code, with a research team of 5, designated as an on-prem in-house AI assistant for 100% semantic reasoning and question resolution feedbackConstructed a React and Next.js inventory management system that integrated full-stack and machine learning components such as decision trees, neural networks, and a virtual server instance over the course of two quartersCreated a portfolio website(nathanbez.com) using React, TailwindCSS, HTML, JavaScript functions in VSCode, deployed on GitHub pages with a custom domain name registered through namecheap to deploy a live webpage	
CVS Pharmacy Lead Certified Pharmacy Technician	Alexandria, VA May 2023 – Present
<ul style="list-style-type: none">Handled PII within thousands of patient medical documents, company records, and patient profiles using secure, best-practices within CVS's ColleagueZone database to optimizing data storage, quality, efficiency, and governanceServed 10,000+ patients by pushing health initiatives through vaccinations, administering, labeling, mixing, making, and sorting prescriptions, mentoring colleagues, and escalating patient cases, for a customer satisfaction rate of 99%	

PROJECTS/ACTIVITIES

Fitness Partner Finder App	November 2025 – Present
<ul style="list-style-type: none">Building a Python, JavaScript, CSS based-web application to help people find and match with local fitness partners	
Analysis of Multi-Stage Dynamics on Student Debt	June 2024 – June 2025
<ul style="list-style-type: none">Developed Python simulations using discrete math and calculus to model long-term policy impacts on student debtDesigned reproducible Colab workflows that enabled scalable collaboration across several university research teams	

Member, National Society of Black Engineers	Blacksburg, VA, 2025 – Present
Vice President, Ethiopian Eritrean Student Association at NOVA	Alexandria, VA, 2024 – 2025

Interests: building my mini data center, updating my restaurant Excel masterlist, running my personal training business