

Nathan Bezebeh

571-866-3741 • nathanbezabeh@gmail.com • linkedin.com/in/nat25et21 • GitHub: nati2405 • https://nathanbez.com

EDUCATION

VIRGINIA TECH, College of Engineering Blacksburg, VA
Bachelor of Science, Computer Science Concentration in AI, Minor in Cybersecurity May, 2027
Relevant Coursework: Data Structures & Algorithms, Intro to Computer Organization, Intro to Problem Solving

NORTHERN VIRGINIA COMMUNITY COLLEGE Alexandria, VA
Associates of Science, Computer Science May, 2025
GPA 3.55, Magna Cum Laude, Dean's List Every Semester, Presidential Scholar
Relevant Coursework: Object Oriented Programming, Intro to Discrete Structure, Data Struct. & Analysis of Algorithms

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 Normal, IL
Computational Biology Researcher June 2025 – August 2025

- Researched COVID-19 exposure-to-infection probabilities in controlled classroom environments by compartmentalizing patients into sample groups to simulate and counteract COVID-19 transmission dynamics
- Optimized 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 Remote
AI Fellow June 2024 – December 2024

- 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 feedback
- Constructed 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 quarters
- Created a portfolio website(nathanbez.com) using React, TailwindCSS, HTML, JavaScript functions in VSCode, deployed on GitHub pages with a custom domain name registered through name cheap to deploy a live webpage

CVS Pharmacy Alexandria, VA
Lead Certified Pharmacy Technician May 2023 – Present

- 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 governance
- Served 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

- 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

- Developed Python simulations using discrete math and calculus to model long-term policy impacts on student debt
- Designed 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