Nathan Le

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EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)   Blacksburg, VA
Bachelor of Science   Expected May 2026
  Major in Computer Science
  Major GPA: 3.46/4.0
  Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Software Design, Mobile
  Software Development, Linear Algebra, Discrete Math, Multivariable Calculus

SKILLS

Technologies: Tableau, MySQL, Power BI, Node.js, React, AWS, Azure, Linux, Git, Bash
Languages: Java, Python, SQL, R, Kotlin, HTML, CSS, JavaScript, C, MATLAB
Certifications: AWS Certified Cloud Practitioner

PROJECTS

DreamCatcher App   Sept 2024 – Nov 2024
● Developed a mobile application for users to document, organize, and reflect on their dreams, featuring dynamic list
  and detail views for tracking and managing entries
● Engineered a SQL database with relational data models to manage dreams and reflection data, leveraging Room
  ORM for efficient data storage, advanced queries, and real-time updates
● Leveraged SQL to analyze user data, enabling features like dynamic filtering, reflection tracking, and analytics-
  driven status updates to enhance user experience
Languages: Kotlin, SQL, Java

Dictionary Attack   Apr 2024 – May 2024
● Developed a program to simulate dictionary attacks on hashed passwords using SHA256 and SHA512 hashing
  algorithms
● Implemented password hashing, dictionary file parsing, and user input handling with secure hashing
● Created a time-based system to assess password strength and track the number of guesses in cracking attempts
● Utilized Tableau to visualize password difficulty through scatter plots, showing time to crack different passwords
Languages: Python

Social Media Analytics Dashboard   Nov 2023 – Dec 2023
● Developed a social media analytics dashboard in a group project to visualize engagement data for influencers
● Designed and implemented a Graphical User Interface to display bar charts of engagement rates
● Read and parsed CSV data files to extract and process information, including likes, posts, followers, comments,
  and views using a scanner
● Led a 4-member team to develop the dashboard, managing version control and coordinating tasks using GitHub
Languages: Java

WORK EXPERIENCE

Buffalo Wild Wings   Feb 2021 – Aug 2022
Cashier
● Resolved customer issues efficiently by identifying problems and providing prompt solutions to overcome
  challenges in a fast-paced environment
● Coordinated with team members to streamline service processes and improve workflow efficiency

ACTIVITIES

Data Structures and Algorithms Club at Virginia Tech   Sep 2022 – Present
● Collaborated with other members on solving LeetCode problems and participated in mock technical interviews