

Benjamin Nguyen

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EDUCATION

Rutgers University University

New Brunswick, NJ

Bachelor of Science in Computer Science, Minor in Business Administration

Expected January 2025

- **GPA: 3.412/4.0**
- Computer Science Coursework: Data Structures and Algorithms, Discrete Structures, Computer Architecture, Design and Analysis of Computer Algorithms, Software Methodology, Internet Technology, Principles of Information and Data Management, Systems Programming, Introduction to Data Science, Data Management for Data Science

EXPERIENCE

TEDxWilmington

July 2024 – Present

Web Developer

Remote

- Conducting **UX** research and usability testing to enhance website navigation, layout, and overall user satisfaction.
- Developing and designing new, responsive websites using **HTML/CSS/JavaScript**, **WordPress**, and **Elementor**, while managing **SSL certifications** and **PHP** scripts.
- Working closely with marketing, design and content teams to align website functionality with organizational goals and branding.
- Provided ongoing technical support and troubleshooting for website issues, ensuring **99.9%** uptime and optimal performance.

PulseTech

June 2024 – August 2024

iOS Mobile Application Developer

New Brunswick, NJ

- Developed **iOS** applications with **WatchOS** companions in **Swift**, increasing user engagement by **20%**.
- Integrated Healthkit, Homekit, and Health app APIs, enabling users to track **15+** health metrics in real-time.
- Implemented **agile methodology**, leading to a **40%** improvement in team productivity and project completion times.
- Ensured the confidential handling of sensitive startup project details, maintaining **100%** compliance with NDA regulations and company policies.

PROJECTS

Real Estate Predictor | Python, React.js, Flask, Scikit-learn

July 2024 – Present

- Developing a full-stack web application with **Flask** serving a **RESTful API** and **React** as the frontend.
- Utilizing **AWS** services for deployment and storage solutions, improving scalability and reliability.
- Implementing **machine learning models** with **Scikit-learn** to predict house prices within the Middle Atlantic.

Nicotine Trend Analysis | Python, Pandas, Matplotlib, BeautifulSoup, Jupyter Notebook

May 2024 – July 2024

- Analyzed trends in nicotine addiction, focusing on a **25%** increase in teenage addiction rates.
- Implemented **web scraping** with **BeautifulSoup** to gather data from multiple sources, including **JSON** and **CSV** files, and combined it with data from the **CDC API**.
- Developed scripts to automate data retrieval and integration.

BuyMe Auction Site | Java, JavaScript, HTML, MySQL, JDBC, Tomcat, Git

February 2024 – May 2024

- Led a team to engineer a local online auction platform with automatic bidding and account management.
- Developed a multiple threads to refresh and update auction listings, improving timing accuracy by **85%**.
- Implemented search algorithms, reducing search times by **25%** and enhancing user experience.

Mobile Photo Manager App | Java, JavaFX, FXML, Android Studio, Scene Builder

March 2024 – May 2024

- Converted a desktop photo manager to a mobile app with a focus on user-friendly design.
- Increased photo search efficiency by **50%** through custom tagging and advanced search features.
- Developed admin tools for users and performance monitoring, improving overall functionality.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL (Postgres, MySQL), JavaScript, HTML/CSS, Swift, LaTeX

Frameworks: React.js, Flask, Bootstrap 5, JavaFX

Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, BeautifulSoup

Developer Tools: Git, AWS, MS Office Suite, PyCharm, Eclipse, VIM, Ubuntu/Linux, XCode, Android Studio

Concepts: Objected-Oriented Programming, Data Science, TCP Protocols, IP, Routers, LAN, Machine Learning