

Benjamin Nguyen

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EDUCATION

Rutgers University University

New Brunswick, NJ

Bachelor of Science in Computer Science, Minor in Business Administration

Expected December 2024

- 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

Lead Web Developer

Remote

- Developing and designing new and responsive websites using **HTML/CSS/JavaScript**, **WordPress**, and **Elementor**.
- Managing **SSL certifications**, **PHP** scripts and plugins: WordFence, RankMath SEO, and Update Plus.
- Conducting **UX** research and usability testing to enhance website navigation and layout.
- Leveraging **Google Analytics** to monitor website performance, analyze user behavior, and implement data-driven optimizations that increase traffic to **10,000** monthly viewers.
- Provide ongoing technical support and troubleshooting for website issues, securing **99.9%** uptime.

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 productivity and project completion times.
- Ensured the confidential handling of sensitive startup details, maintaining **100%** compliance with NDA regulations and company policies.

PROJECTS

PaySync | *React Native, Node.js, PayPal API, AWS Lambda, PostgreSQL*

- Inventing an app to split and manage receipts, track expenses and send payment requests using **React Native**.
- Building a serverless **Node.js** backend with **AWS Lambda** to process data and real-time request splitting.
- Implementing PayPal API to facilitate secure payment processing and transactions.

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

- Analyzed trends in nicotine addiction, focusing on the **25%** increase in teenage addiction rates.
- Utilized **web scraping** with **BeautifulSoup** to gather data from **10+ JSON** and **CSV** sources.
- Developed scripts to automate data retrieval, using the **CDC API**.

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

- Led a team to engineer a local online auction platform with automatic bidding and account management.
- Developed multiple threads in **Java** to refresh and update auction listings, improving timing accuracy by **85%**.
- Adapted hash-tables and collision handling, reducing search times by **25%**.

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

- Converted a desktop photo manager to a mobile app, focusing on user-friendly design.
- Increased photo search efficiency by **50%** through custom tagging and advanced search features.
- Developed administration tools for account monitoring, improving organization, functionality, and aesthetics.

TECHNICAL SKILLS

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

Frameworks: Flask, Bootstrap 5, JavaFX

Libraries: React.js, Node.js, Pandas, NumPy, Matplotlib, Scikit-learn, BeautifulSoup

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

Concepts: Objected-Oriented Programming, Restful APIs, Data Science, TCP/IP Protocols, Routers, LAN