

# Benjamin Nguyen

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## EDUCATION

### Rutgers University

New Brunswick, NJ

*Bachelor of Science in Computer Science, Minor in Business Administration*

*Expected January 2025*

- **Relevant Coursework:** Data Structures, Computer Architecture, Design and Analysis of Computer Algorithms, Software Methodology, Internet Technology, Introduction to Data Science, Systems Programming

## TECHNICAL SKILLS

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

**Frameworks:** Bootstrap 5, JavaFX, HaDooP

**Libraries:** React.js, Node.js, Pandas, NumPy, Matplotlib, BeautifulSoup

**Developer Tools:** Git, VIM, Eclipse, Ubuntu/Linux/Unix, Wireshark, Xcode, Android Studio

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

## EXPERIENCES

### Lead Web Developer

July 2024 – Present

*TEDxWilmington*

*Remote*

- Spearheading the design and development of **5+** websites to enhance online presence and interactive platforms.
- Managing security protocols and ongoing maintenance for smooth performance and vulnerability protection.
- Conducting **UX** research to tailor website designs to audience, location, and specific event needs.
- Increasing monthly average viewership to **10,000** by leveraging user data, traffic patterns, and analytics.
- Provide ongoing technical support and troubleshooting for website issues, securing **99.9%** uptime across all sites.

### Software Engineer Fellow

October 2024 – Present

*Blueprint*

*New Brunswick, NJ*

- Engineering responsive web applications using **React** and **Typescript** to deploy to **Vercel**, ensuring efficient performance.
- Collaborating in cross-functional teams using **agile** and **SCRUM** methodologies for development.
- Optimizing applications scalability by designing reusable components and strategies for high-traffic environments.

### Software Developer Intern

June 2024 – August 2024

*PulseTech*

*New Brunswick, NJ*

- Developed **iOS** applications with Apple Watch compatibility with a focus on health ambient computing for automatic tracking.
- Integration of multiple health frameworks for users to manipulate and track **15+** health metrics in real-time.
- Worked with designers and health professionals to enhance user experience in compliance with industry standards.

## SOFTWARE PROJECTS

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

- Innovative app to split and manage receipts, track expenses, and send payment requests with PayPal.
- Developing a scalable server-less back-end to process data and handle real-time updates and calculations.
- Implementing automated notifications and reminders for pending payments with a user-friendly design.

**Nicotine Trend Analysis** | *Python, Pandas, Matplotlib, Beautiful Soup, Jupyter Notebook*

- Conducted a comprehensive analysis of the discovered **25%** increase of teenage nicotine addiction rates.
- Automated data collection and analysis processes to continuously monitor public health data with varied sources.
- Gathered public data from **10+** sources through JSON and CSV files to maintain a diverse and accurate dataset.

**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%**.