

Johan Nguyen

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EDUCATION

Stevens Institute of Technology

Bachelor of Science in Computer Science, Minor in Mathematics - GPA: 3.7

Hoboken, NJ

Expected Graduation Date: May 2027

TECHNICAL SKILLS & AWARDS

Languages/Frameworks: Python, Java, C++, JavaScript, TypeScript, HTML, CSS, React, Next.js, Tailwind CSS, Express.js, Node.js, Keras, Pytorch

Tools/Technologies: MongoDB, PostgreSQL, AWS Lambda, Vercel, Redis, Numpy, SciPy, Pandas, Jest, Git

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Probability and Statistics, Linear Algebra, Computer Architecture and Organization, Discrete Structures, Multivariable Calculus, Research and Entrepreneurship in Computing

Awards: NSF (National Science Foundation) S-STEM ADAPT Scholar, Stevens L.I.T. (Leaders Impacting Technology) Scholar, Dean's list, Edwin A. Stevens Scholarship, Presidential Scholarship.

WORK & LEADERSHIP EXPERIENCE

Fullstack Developer Intern

Sep. 2024 – Nov. 2024

Contentstack

Remote

- Engineered custom demos using **HTML**, **CSS**, **JavaScript**, and **React** to create interactive, visually engaging presentations, developing reusable components that reduced demo creation time by **30%** and increased business client inquiries by **40%**
- Integrated **RESTful** and **GraphQL APIs** to demonstrate the headless CMS's flexibility and capabilities, enabling advanced features in real-time applications
- Refined the codebase by using **Jest** tests and automated **CI/CD** pipelines, while building responsive layouts with **Tailwind CSS** to showcase seamless content delivery across devices, improving demo loading speed by **25%**

Founder

Sep. 2024 – Present

Code With Ducks

Hoboken, NJ

- Trusted by the board of **Stevens Institute of Technology** to lead a team of **8** in developing a program that educates underrepresented students, including women, in programming, machine learning, and artificial intelligence
- Responsible for developing curriculum, managing weekly meetings, assigning tasks, ensuring effective team collaboration, and building the program's website using **JSX**, **CSS**, **React**

Technical Lead Software Developer

Dec. 2023 – Present

Stevens Blueprint

Hoboken, NJ

- Leading a team of **5** student designers and engineers on pro-bono projects to create new brands, design systems, and websites for **InReach.org**. Implementing a CMS using **Next.js**, **React**, **TinaCMS**, enabling non-technical users to add, modify, and remove website content easily
- Directing the design and improvement of responsive user interfaces, utilizing **HTML**, **Tailwind CSS**, and **React**, attracting over **25,000 visitors** and more than **31,000 page-views**

Software Application Developer Intern

Jan. 2024 – Apr. 2024

Inchitone Global

Remote

- Developed an intuitive user interface using **React** and introduced new user registration APIs, including new registration APIs that streamlined the sign-up process and cut user drop-off rates by **60%** through effective RESTful services with **Node.js** and **Express.js**
- Optimized database schemas and queries to improve user registration response times by **50%**, achieved by refining **MongoDB** document structures and using efficient indexing
- Implemented a payment gateway using **Stripe.js**, enabling secure and hassle-free transactions for users, resulting in a **50% reduction in user drop-off rates**
- Built a support chatbot using **React** and **Express.js**, utilizing **PyTorch** to train an **NLP model** that automates responses to common user queries, reducing support tickets by **80%** and accomplishing **5 stars** user satisfaction rate

Undergraduate Research Assistant

Oct. 2023 – Mar. 2024

Stevens Institute of Technology

Hoboken, NJ

- Worked alongside PhD students to develop a multi-sensor wearable system with personalized AI and multimodal biofeedback, designed to enhance the movements of older adults at home
- Executed data processing tasks including cleaning and formatting with **Python**, and utilized **SciPy**, **Numpy**, **Pandas** for mathematical computation. Employed **Keras** for machine learning methods which improved in **30%** accuracy

PROJECTS

Personal Portfolio | **HTML**, **CSS**, **JavaScript**, **React**, **Next.js**, **Vercel**

Sep. 2024 - Present

LoginAndTalk | **React**, **TypeScript**, **Tailwind CSS**, **Next.js**, **Redis**

Jul. 2024

- Developed advanced real-time chat features, including light/dark mode, notification sounds, typing effects, and a responsive UI, while integrating secure authentication and optimizing data storage with **Redis** to ensure high scalability and performance