Phi Henry **Nguyen**

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PROFESSIONAL EXPERIENCE

Software Engineer • Notion NEW YORK, NY • NOVEMBER 2025 - PRESENT
– Full stack development for Growth and Monetization

Software Engineer • Lucera Financial Infrastructures (BGC Group) NEW YORK, NY • MARCH 2024 - OCTOBER 2025
– Full-stack development using React and reactive Java (Spring WebFlux) building real-time order and risk applications
– Led core UI infrastructure projects such as a scalable table export streaming service and dynamic application theming
– Re-engineered WebSocket messaging infrastructure using Protocol Buffers, reducing latency and payload sizes by up to 60% and unifying data interfaces between frontend and backend services
– Refactored and modularized application Rollup build, reducing initial bundle size by >90% and load times by up to 30%

Software Engineer • Schonfeld Strategic Advisors NEW YORK, NY • JULY 2023 - DECEMBER 2023
– Developed key features to improve UI/UX of the firm's Risk Portal in React and Spring Boot, including a data-redaction mode to enable privacy during demos and server-driven table configurations to optimize data rendering and scalability
– Built time series risk factor charts providing performance and exposure analysis though multiple levels of data granularity

Software Engineering Intern • Schonfeld Strategic Advisors NEW YORK, NY • JUNE 2022 - AUGUST 2022
– Worked directly with the Risk Technology Applications team to develop interactive machine learning models and time series data visualization tools for 100+ portfolio managers and analysts using Javascript, React, Python, Java, and kdb+
– Refactored React Redux store to improve portal loading speed and reduce unnecessary component rendering by over 90%

Software Developer • PatchRx VIRTUAL • DECEMBER 2020 - DECEMBER 2021
– Redesigned client-side data management and the SMS notification system for patient prescription adherence software
– Built mobile app onboarding process with biometric authentication and engineered a virtual assistant messaging interface

Full Stack Software Engineering Intern • Cisco Meraki SAN FRANCISCO, CA • AUGUST 2021 - DECEMBER 2021
– Developed a user workflow with React and Rails in Meraki Dashboard to enable data collection of consumer cameras for video object detection training and increased the flow of user-generated training data for camera ML models by over 500%
– Integrated end-to-end testing with Javascript and Cypress into the Meraki Vision Portal's Gitlab CI/CD pipeline

Software Development Engineer Intern • Amazon SEATTLE, WA • MAY 2021 - AUGUST 2021
– Designed and led development of an internal web scraping tool with functionality to annotate and extract features from HTML web pages for the Alexa AI Web Information team; built and deployed with Flask, DynamoDb, and AWS Lambda
– Improved information extraction and data collection speeds over other tools by over 10 times through extensive testing

OTHER EXPERIENCE

Teaching Assistant • CMU School of Computer Science PITTSBURGH, PA • JANUARY 2020 - MAY 2023
– Multiple courses: 15-112 (Fundamentals of CS), 67-272 (App Design/Development), 17-437 (Web App Development)
– Taught recitations of 30+ students covering fundamental programming and computer science topics in Python and Go
– Led lab sessions and hosted office hours covering key topics in Ruby on Rails and Django web application development

EDUCATION

Carnegie Mellon University • GPA: 3.82 PITTSBURGH, PA • AUGUST 2019 - MAY 2023
B.S. Information Systems, Additional Minors in Computer Science, Software Engineering, and Human Computer Interaction
Coursework: Computer Systems • Software Construction, Design, & Concurrency • Application Design & Development • Designing Human Centered Software • Software Engineering for Startups • Functional Programming • IS Consulting Project
Activities: Booth Chair • Asian Students Association Vice President • Sigma Phi Epsilon Fraternity • 180 Degrees Consulting

SKILLS

Programming Languages: TypeScript/JavaScript • Python • Java • SQL • HTML/CSS • C • C++ • Ruby • Go • Bash
Frontend Technologies: React • WebSockets • Zustand • AG Grid • TanStack • Redux • Stitches • Storybook • Highcharts
Backend Technologies: Spring Boot/WebFlux • AWS • Protocol Buffers • Flask • Django • MongoDB • Ruby on Rails
Additional Tools: Git/Github • TeamCity • Nomad • Jest • Cypress • Keycloak • Docker • Figma • Jupyter Notebook