

# Nam Tran

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namtran.dev

## Relevant Experience

### Software Engineer · **AGE Solutions**

October 2024 – present

### Full-Stack Software Engineer · **Availabowl**

May 2023 – present

- Built admin user interface using Next.js, Tailwind, and TypeScript
- Developed write-through cache for storing user feeds, notifications, and posts using Redis, Python, and Apache Thrift
- Engineered a scalable asynchronous task queue using Celery, Redis, and RabbitMQ to handle user activity and content upload
- Used PyTorch to conduct machine learning and store trending keywords among user reviews in MongoDB
  - Encompasses spam classification, aspect-based sentiment analysis, and named-entity recognition of food in reviews
- Leveraged Microsoft Azure services, such as Azure Blob Storage, Kubernetes, and Azure Functions to support app infrastructure

### Engineering Intern · **Foundry**

May 2022 – August 2022

- Improved automatic quality assurance test results to accelerate deadlines and address failing tests to DevOps team through cron jobs and emails
- Designed new email suite user interface of automatic quality assurance test results using Pug (Jade), HTML, and CSS
- Maintained and expanded on automated quality assurance test suite for Foundry's ABM software using Node.js, Puppeteer, and Playwright
- Worked under quality assurance team gaining exposure in CI/CD pipeline and Jira to create and manage issues

### Software Development Intern · **Triblio**

May 2018 – August 2018

- Performed quality assurance tests using Selenium and Protractor to ensure all features worked during CI/CD workflow
- Streamlined quality assurance suite into library of functions to clean up codebase in Node.js
- Wrote and maintained all quality assurance tests were passing prior to each deployment of Triblio software

## Skills

### Programming Languages

JavaScript (ES6), TypeScript, HTML, CSS, Python, Java, C, SQL

### Libraries & Frameworks

React, React Native, Node.js, Next.js, Pug, Gatsby, Tailwind CSS, Bootstrap, PyTorch

### Tools & Platforms

Git, Vercel, Microsoft Azure, Docker, Kubernetes, Heroku, Puppeteer, Playwright, Protractor, Apache Thrift

### Databases

PostgreSQL, MongoDB, Redis

## Education

### Virginia Tech

College of Engineering  
B.S, Computer Science

## Highlighted Projects

### Administrator App

Next.js/Prism boilerplate UI to manage database records

### MongoDB Doubly Linked List

Doubly linked list structure for MongoDB documents

### Virginia Tech Menu & Hours

Puppeteer webscraper that provides dining hall hours and menu

## Organizations

### Phi Sigma Kappa Fraternity

Alumni, Epsilon Hexaton Chapter