Tri Nguyen

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EDUCATION

Purdue University	May 2018

West Lafayette, IN
College of Health Science
Master of Sciences in Medical Physics

Indiana University	May 2015

Bloomington, IN
College of Arts and Sciences
Bachelor of Sciences in Physics

FULL-STACK EXPERIENCE

Tafika Tickets	May 2023 – Present

Point of Sale (POS) Backend Lead

- Collaborate closely with CTO on backend to develop and maintain point of sale (CRUD) endpoint using Google Cloud Function along with Knex for bus tickets.
- Maintain PostgreSQL database for CRUD operation of bus tickets.
- Implement user's features for POS.

Self-taught	January 2022 - Present

I started my full-stack experience with the need to find an edge in stock options. This led me to building a website that I can accessible at anywhere and anytime and share with my teammates.

- Ongoing project alpha-seekers v2 Alpha-Seekers :
  - The web application is built to visualize option greek data dashboard for stock and index tickers
  - Develop, maintain and revamp of alpha-seekers web application using React and Django frameworks
  - Utilized Django SimpleJWT for web authentication
  - Deployed this project with SSL certificate on a home NAS with gunicorn and nginx
  - Implemented front-end user authentication with Firebase Authentication
  - Developed celery tasks to fetch, polish, and compute data from brokerage's API for front-end requests - $0 cost from brokerage API endpoint
  - Maintain and configured a home server to host web application via nginx and gunicorn – reduced the cost of using host server down to $0.
  - Migrated this web application from React to NEXT JS.
- Completed project alpha-seekers v1 (outdated):
  - Implemented Plotly Dash to generate option greeks data dashboard from a brokerage API
  - Deployed dashboard web application to Heroku.
- Completed AS Discord Bot:
  - Developed a discord bot uses command to generate option greek charts with Plotly. Additionally, crontab is implemented to generate Plotly charts on a scheduled interval

Open Source Documentation Contribution

- [Dash Mantine Component](#)

Technical Skills
- Languages: Python, Javascript, HTML, CSS
- Frameworks: React, Django
- Full-stack: Nginx, gunicorn
- Front-end: Axios, Fetch API, JWT Authentication, ReactECharts, ChartJS, Plotly, Bootstrap, Nginx
- Back-end: PostgreSQL, Django Rest Framework, Django SimpleJWT, Celery, Celery Beats, Redis
- Tools: Heroku, Firebase, Git, Visual Studio Code, Postman, PyCharm
- Microsoft Office: Excel, Word, Powerpoint, VBA, data query

Full-stack and Front-end Professional Development
- Completed 50 hours plus of courses from [Frontend Masters](#):
  - Data Visualization with D3.js
  - CSS
  - JavaScript: The Hard Parts
  - Intro to React
  - Intermediate React

Data Camp Development
- Completed 45 hours plus of course from [Data Camp](#):
  - Python, PostgreSQL

CURRENT PROFESSIONAL EXPERIENCE

Environment, Health & Safety
University California of San Francisco, San Francisco, CA

Radiation Safety Specialist   April 2020 – Present
- Review research protocols, maintain hospital permits and perform audit in radiation safety for regulatory compliance.

Clinical Radiation Safety, Environmental Health & Safety
Columbia University Irving Medical Center, New York, NY

Health Physicist   June 2017 – March 2020
- Review research protocols, maintain hospital permits and perform audit in radiation safety for regulatory compliance.
- Renew radiation producing equipment permits