

Tu Nguyen

Quincy, MA | (617) 318-8863 | tu.t.nguyen93@gmail.com | linkedin.com/in/tu-nguyen

Skills

- **Programming Languages:** Python, Java, Bash, JavaScript/TypeScript, PHP, C, C++, Java
- **Web Development:** Django, React, VueJS, NodeJS, MySQL, Postgres, HTML, CSS, Bootstrap, Ajax, JQuery
- **Miscellaneous Technologies and Tools:** AWS, Linux, Git, REST APIs, Docker, Jira, A/B testing, Apache, Heroku, TCP/IP, Qt Creator, ETL, Data science pipeline (cleansing, wrangling, visualization), Jupyter Notebook

Professional Experience

Perch

Boston, MA

Software Engineer

Jun 2021 - Present

- Collaborate closely with other team members to research, plan, design, develop and document robust solutions/scalable applications/RESTful APIs used by the Operations, Supply Chain and Integrations teams
- Write maintainable, extensible and efficient code, utilizing strong unit test and debugging skills
- Modified existing software to correct errors, upgrade interfaces, and improve performance
- Rapidly prototype new capabilities to confirm feasibility and potential value

ADUSA Procurement

Quincy, MA

Computer Assisted Ordering System Specialist

Jul 2018 - Jun 2021

- Manage and maintain centralized SQL Server and Oracle Database for ordering, inventory, and forecasting systems for over 750 stores across three major brands
- Utilized python scripts to implement mass inventory update system resulting in elimination for human entry per load, saving to 8,000 to 15,000 hours per week
- Collaborate with the IT team to design, develop, test, implement, and improve data & quality control

Walgreens

Boston, MA

Shift Lead | Photo Specialist

Aug 2011 - Jul 2019

- Managed a team of three to merchandise products, manage store inventory, and order stock
- Trained and supervised new associates and managers on store procedures and policies

Independent Projects

Discord | Twitch bot (NodeJS)

Jan 2021

<https://github.com/tu-nguyen/burrito-bot>

- Written in TypeScript and NodeJS, previously deployed on an AWS EC2 (Elastic Compute Cloud) server instance
- Utilized Discord.js to interact with Discord's API, and tmi.js to interact with Twitch's API
- Establishes two way communication between Discord text channel and Twitch chat

Analytical Exploration of Boston Crime Statistics (2012-2015)

Apr 2018

<https://github.com/tu-nguyen/analytical-exploration-of-Boston-crime-statistics-2012-2015>

- An exploratory data analysis (EDA) and visualization for crimes in Boston from 2012-2015
- Written in Python using Jupyter Notebook, with numpy, pandas and matplotlib

Multi Weather (Android application)

Dec 2017

<https://github.com/tu-nguyen/multiWeather>

- Collects location data, and parses JSON data from four weather APIs to aggregates, features autocomplete function using Google Place API
- Led a team of four in planning, design, and coding phase of development

Education

University of Massachusetts Boston

Boston, MA

Bachelor of Science in Computer Science

May 2018

- Relevant Coursework: Data Structures & Algorithm, Database Management Systems, Programming in C/Java