Tu Nguyen

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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

Skills

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

Professional Experience

ADUSA Procurement   Quincy, MA
Computer Assisted Ordering System Specialist   Jul 2018 - Present

- 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 to implement mass inventory update system resulting in elimination for human entry per load, saving to 8,000 to 15,000 hours per week
- Increased efficiency by 20% by creating GUI tools in Python to query multiple stores' oracle database using pyodbc and cx_Oracle
- Provide ad-hoc reporting and analysis with the purpose of driving accuracy improvements for category & replenishment managers
- 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

Homelab | Smarthome   Jun 2017 - Present
- Setup personal homelab to commit to learning new technologies and self improvement on downtime
- Deployed and configured Docker containers for home assistant, plex, and pihole DNS server

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