

Trung N. Nguyen

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EDUCATION

Fordham University (*May 2020*)
B.S. Computer Science
B.A. Classical Languages

Cumulative GPA: 3.88
Major GPA: 3.98
Major GPA: 3.83

EXPERIENCE

NextEra Energy Resources

Juno Beach, FL

Data Engineer Intern

May 2019 – Present

- **TAGMAPR:** Developed and deployed TagMaprV2 to V3, which visualizes sites' statuses allowing engineers to trend, configure, and deploy data loggers and tags more efficiently.
 - Team developed security protocol tied to end-user's AD credentials to restrict and control data access.
 - Primary responsibility to import third party cloud data into enterprise system.
 - Localized multiple processes into one app – reducing data latency and improving workflow through the UI with a more intuitive redesign.
- **IGNITION AUTOMATION:** Automated solar and wind site XML generation creating 150+ backlogged sites into Ignition. New process will run just over 600 hours versus 3600 hours for the manual process.
 - Potential savings of \$0.6MM compared to original scope utilizing 3rd party consulting.
 - Created new standardization to existing process for a more consistent methodology among Juno and local project site offices.
- **KICKBOX: "nextAR"** - Submitted idea to utilize Augmented Reality for NEER Development.
 - One of 3 selected from 12 submitted project ideas moved onto development and to present to a panel of executives. Mentee under Gioavanni Herazo.

Fordham University Robotics & Computer Vision

Bronx, NY

Lab Technician

September 2018 – Present

- Developed and debugged software for robots to create disparity and depth images and videos and to create map visualizations of floors and rooms using ROS.
- Installed and configured network, new router, and access points improving connection and bandwidth.
- Implemented policies and procedures for backing up robots, servers, and laptops.

MetroPlus Health Plan

New York, NY

Program Management Intern

June 2018 – August 2018

- Developed a script to record 6000+ invoices connecting to BI dashboards allowing for risk-cost-benefit analysis and budget spending examination saving \$18,000/year.
- Implemented policies and procedures for IT administrators to track and document invoices.

PROJECTS

Pneumonia CNN

Python

- Convolutional neural network predicting pneumonia on chest x-rays with a 92% test accuracy.

Peapod Clone

Java, JavaFX

- Client-server app that permits multiple users to purchase groceries and logs daily profits.

Predicting Drug Consumption Using Mining Classifiers

WEKA

- Evaluates accuracies and f-measures using Naive Bayes, KNN, ZeroR, and J48 on 1885 subjects.
- Accuracies ranging from 65% - 99% using 10-fold cross validation.

Yelp Camp

Node.js, JavaScript, HTML, CSS, Express, MongoDB

- MEAN web application using RESTful API with CRUD, authorization, and authentication.
- App permits multiple users to login and post campsites specifying name, price image url, description, and comments on other user's campsites.

Skills: C++, Python, Java, SQL, Bash, JS, NodeJS, Angular, Swift, Git, ROS, Linux, Agile, Scrum, Kanban