

Cuong Trinh
360 Huntley Rd
Upper Darby, PA 19082
(610) 905- 4894
ktrinh.particle@gmail.com

Education

Drexel University
Bachelor of Arts and Sciences
Chemistry and Physics

Philadelphia, PA
Graduated, June 2019
Cumulative GPA: 3.75

Skills

Programming Languages: Java, C++, Python, JavaScript, SQL
Web Technologies: HTML5, CSS, JQuery, JSON, NodeJS, ReactJS, AngularJS
Tech Framework: Django, Flask, ExpressJS, Spring, Spring MVC, Spring Boot, Bootstrap
Others: Git, Maven, Unix/Linux, Windows, MacOSX, CERN ROOT, HDF(Hierarchical Data Format)

Professional Experiences

DuPont/IFF – Contract via Entech (June 2019 – current)

Title: Full Stack Data Scientist

Location: Wilmington, DE

Project: Nutrition and Bioscience

- Developed python API to efficiently train, analyze, and compare machine learning models
- Designed, developed, and implemented data science (Descriptive -> Predictive -> Prescriptive) pipeline for DuPont N&B manufacturing businesses
- Developed full stack (end-to-end) solutions through (MEAN, MERN) to relay ML model to manufacture operators.
- Developed and maintained 14+ machine learning predictive models using SKLearn(scikit-learn), tensorflow, keras to be use as backend APIs in optimizing DuPont's N&B chemical production/cost reduction
- Worked on DuPont's effort in transforming legacy data infrastructure at manufacture level to SQL/No-SQL/Cloud Based (AWS, Azure)

Drexel University - Department of Physics (Mar 2015 – June 2019)

Title: Backend Data Engineer

Location: Philadelphia, PA

Project: PROSPECT

- Worked on a particle physics project with the PROSPECT collaboration
- Developed ETL pipeline to efficiently read/translate electronics data to human readable format (SQL, HDF5, CERN ROOT) database, HDF5 data format, CERN ROOT data format
- Developed API for ease of data pulling/manipulation using C++

Personal Experiences

- Developed a Chess game application in Java, Spring Boot, MS SQL
- Developed "Meowbox" web application using MongoDB, ExpressJS, ReactJS, NodeJS (MERN) stack to power the application
- Developed inhouse API to read/store/manipulate data
- Experimented with and incorporate external API (Youtube, CloudIEX, etc.) to aid the project development
- Maintained Project through Github for version control and for ease of launching MVP using Heroku services.