Mufeng (Giana) Yang

Cell: (914) 441-6645 || gianayang31@gmail.com
Github: https://github.com/gianayang || LinkedIn: https://www.linkedin.com/in/mufeng-yang/

EDUCATION

NYU Tandon School of Engineering, Brooklyn, NY September2017-May 2021 (Expected)
BS: Major in Computer Science, Minor in Mathematics.
Coursework: **Data Structures**, **Advanced Algorithms**, Database, Object Oriented Programming (OOP), Computer Architecture, Blockchain, Robot Vision, Operating System, Discrete, Calculous, Linear Algebra and Differential Equations.

SKILLS

Programming Languages: Java, C++, C, Python, JavaScript, CSS 3, HTML5, SQL, Assembly Language
Databases: Oracle, MySQL
Technologies/Frameworks: OpenCV, Numpy, Docker, Git/GitHub, Gradle, Android Studio, React, Ubuntu/Linux, NodMe.js, RESTful, Deep Learning, Machine Learning, Oscilloscope, Illustrator, ArcGIS, PTF, Webservices, Raspberry Pi, Create deques

WORK EXPERIENCE

NYU School of Engineering September 2018- December 2018
- Built a web server with node.js on Ubuntu to create an online file organizer for the biomolecular department.
- Self-taught and created Gitlab and FTP tutorials for biomolecular department students.
- Built accessibility related product for biotech and hardware field and proceed the project to the next stage.

Luau June 2018-October 2018
- Worked for an e-commerce tech start-up
- Focused on researching and data collection to create databases for consumer use
- Looked at product lines and SKUSs for metadata
- Tagged products for search

The Harvey School Robotics Team September 2014- June 2016
- Sketched and Designed robot using Autodesk
- Designed T-shirt and Logo for the team
- Built robot base that can go in 360-degree direction

PROJECTS

Finstagram
- Built a picture sharing social web application using Python, Flask, HTML, and MySQL to create an Instagram-like platform where users can control who can view the post, share pictures with a group chat, share location of the post, and like, comment, and rate a post.
- Designed data model for the project using ER diagram and schema diagram.
- Created database to store information.
- Used Flask and queries to connect to MySQL database to store and fetch information.
- Built and designed a user interface to log-in, view group messages, and posts share with them.

Picture to Speech App
- Building an Android app using Cloud OCR (optical character recognition) to assist reading tasks for people with visual disabilities
- Wrote an Android camera app on client side for easy access of people with disabilities.
- Deployed a Google Cloud Vision OCR Service to optimized time for the project.
- Published as Docker image for GKE Cluster to deploy
- Utilized Google Kubernetes Service to increased scalability

Ultrasonic Blind Man Stick
Designed and implemented a walking stick that can sense the environment and send vibration to remind the user of obstacles all around using Raspberry Pi Zero W and Python.

Achievements and Awards

- 2019 Capgemini Case Study Finalist
- 2016 National Champion of VEX Robotics Competition