

JUNHE ZHANG

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EDUCATION

The George Washington University, Washington, DC May 2021
Master of Science- Data Science (GPA: 3.94/4.0)
Coursework: Machine Learning II, Data Mining, Data Warehousing, Data Visualization, Data Science
Stony Brook University, College of Engineering and Applied Sciences December 2019
Bachelor of Science - Computer Science (GPA: 3.47/4.0)
Concentration in Artificial Intelligence and Data Science
Relevant coursework: Computer System, Database Design, Algorithm Design, Data Structure

RELEVANT WORK EXPERIENCE

Delaware Diagnostic Lab May 2019- August 2019
Software Engineer Intern:

- Designed, implemented Patients' reports renaming software | **Java:**
 - Implemented Software to automatically extract patients' information from encoded PDF reports and rename each report to company preferred format.
 - Speeded up the process of generating patient's reports and free employees from spending couple hours renaming reports.
- Designed Implemented patients' reports restyling software | **Python:**
 - Implemented Software to automatically locate and replace company's brand on the reports to user desired icon.
 - Speeded up the process of restyling reports coming from third party companies.
- Implemented patients' reports generating software | **Java, Eclipse Birt Plugin:**
 - Design patient's report templates using Eclipse Birt plugin which extract patient's information from company's database and generating reports automatically.
 - Report templates were designed to be modularized so that patients could choose which test section they want on their report using company's online portal.

TECHNICAL PROJECTS

Habits Builder (HB) | Python, Django-Restful-API, React, React-Native, HTML/CSS, Bootstrap 2021
Task completion check-in App, allow users create their daily tasks and check-in upon their progress. Support basic task progress visualization dashboard. Help users form habits by checking in daily.

Online Computer Mall (OCM) | Python, Django, MySQL, HTML/CSS, Bootstrap 2021
E-commerce website supports multiple transaction functionalities. Allow user sell/buy computers on the platform. Implement using Django framework with MySQL as database.

[Real Time Object Detection Tool \(RTOD\) | Python](#) 2021
Classified objects and label them in real time video and image with MSE 0.2 by applying YOLO.v3 framework.

[American Sign-Language-MNIST \(ASL\) | Python](#) 2020
Classified American Sign-Language images from 25 classes with 95.2% accuracy by applying Convolutional Neural Network in Keras.

[Classify Blood Cell Images \(CBCI\) | Python](#) 2020
Classified multiple blood cell images with loss value -0.002 (class competition rank #1) by applying Convolutional Neural Network in Pytorch.

[Stock Price Predictor \(SPP\) | Python, JavaScript, HTML/CSS, Bootstrap](#) 2020
Predicted Apple's stock price with 85% accuracy by applying hyper-parameter tuning and pipeline. Visualizing the data using Google Cloud Visualization API.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, JavaScript, HTML/CSS, MySQL, MongoDB
- **Machine Learning & Applications:** Database Management, Data Analysis, Data Visualization, Deep Learning
- **Tools:** Django, Spring Boots, React, React-Native, TensorFlow (2.0), Tableau, AWS