Yudong Diao

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145G Brittany Manor Dr., Amherst, MA, 01002

EDUCATION

University of Massachusetts Amherst **Sep. 2015— Dec. 2018**
Bachelor of Science in Computer Science GPA: 3.7/4.0 (In-major: 3.9/4.0)
Courses
Data Structure, Algorithms, Web Programming, Search Engine, Computer Networking
Mobile Health Sensing & Analytics, Operating System, Artificial Intelligence

SKILLS

- **Languages:** Python, Java, C/C++, Scala, HTML, CSS, JavaScript, PHP
- **Frameworks/Techniques:** MySQL, ReactJS, jQuery, NodeJS, Tensorflow
- **Operating Systems**: Linux/Unix, Windows OS, Mac OS X

EXPERIENCE

Kingdee International Software Group Co., Ltd. **Jun. 2018— Aug. 2018**
Software Development Engineer Intern
- Built an object detection model for a Texting-and-Driving scenario using Single Shot multibox Detector (SSD) framework and ResNet/MobileNet networks
- Designed a lambda function for the object detection model using Tensorflow and Intel Model Optimize and integrated the model as a component into an AI product generating $100,000 in annual revenue
- Wrote technical reports of Amazon SageMaker and Amazon Deeplens for research purpose which improved the work efficiency of co-workers by 20% and cut the company's data training processes costs by 25%

University of Massachusetts Amherst **Jan. 2018— May 2018**
Undergraduate Course Assistant for Operating System
- Collaborated with course instructors in teaching concepts derived from Linux Kernel
- Assisted professor in introducing students to low-level computing mechanisms using C/C++
- Responsible for leading class discussions and answering students' questions online via Moodle online forum

PROJECTS

Environment Tester **Nov. 2017— Dec. 2017**
Android Application to test if the current environment is good for sleep when you put your phone on the desk
- Led a team of three in developing an Android application employing supervised learning
- Designed and developed the frontend with XML and backend with Java and Python using scikit-learn machine learning library
- Implemented audio features into the application and classified the labeled audio data using Decision Tree Classifier, SVM Classifier, and Random Forest Classifier

UMass Amherst Carpooling WeChat Mini-program **Jun. 2017— Aug. 2017**
WeChat Mini-program for UMass Amherst students carpooling
- Designed and developed the frontend with WXSS and WXML and backend with NoSQL
- Designed UI and features with JavaScript

HONORS

Computer Science Multidisciplinary Honors Member**,** Dean's List Student (every semester)