Yudong Diao

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Objective: I am a software engineer, passionate about web-based application development

EDUCATION

University of California San Diego **Sept. 2019 — Mar. 2021** (expected)
M.S. in Computer Science

University of Massachusetts Amherst **Sept. 2015 — Dec. 2018**
B.S. in Computer Science GPA: 3.7/4.0 (In-major: 3.9/4.0)

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
- Customized a lambda function for the object detection mode to implement the functionality of warning using Tensorflow and Intel Model Optimizer
- Integrated the model as a component into a conversational AI-based product generating $100,000 in annual revenue
- Wrote technical reports of Amazon SageMaker and Amazon Deeplens for research purpose which and cut the company's data training processes costs by 25%

PROJECTS

Courses Enrollment System **Aug. 2019 — Sept. 2019**
A Full Stack Web Application for students and professors to register, edit, drop and create courses

- Developed the frontend using Angular framework with HTML, CSS and TypeScript
- Implemented the data interaction between webpage and database using Spring framework ,Hibernate ORM and MySQL
- Deployed backend services and database of the system in AWS cloud using EC2, S3 and RDS service

Color Picker App **May 2019 — Jul. 2019**
A Web Application helps you to get Hex and RGB of a color easily, dynamically and intuitively, you can also create your own palette to help you pick a color

- Developed the frontend using React.js framework with HTML, CSS and Javascript
- Imported Chroma.js, Material UI and react-beautiful-dnd library to make color picking more dynamically and interactively

Environment Tester **Nov. 2017— Dec. 2017**
An 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

AWARDS

UMass Multidisciplinary Honors Student & Dean's List Honors Student