

Yusheng Ding

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EDUCATION

University of California San Diego

La Jolla, San Diego

M.S. *Computer Science and Engineering*

Expected April 2020

Related Courses: Recommender Sys&Web Mining, Probabilistic Reason&Learning

Tongji University

Shanghai, China

B.Eng. *Software Engineering*

June 2016

GPA: 4.48/5

Related Courses: Algorithms Design and Analysis, Mathematics, Data Structures, Computer Organization
Computer Network, Operating Systems, Data Mining & Analysis ,etc.

TECHNICAL SKILLS

Languages Python, R, Java, SQL, HTML, CSS, JS

Tools Arduino, Git, TensorFlow, Selenium, postMan,

Frameworks Flask, Django, Redis, MongoDB, ROS

PROJECTS

Microsoft Academic Novae

Microsoft Beauty of Programming Competition

2016

- Ranked 3 in the competition and presented this project at Microsoft Developer Conference.
- Used postMan and requests in python to test and gather info from Microsoft Academic Graph's API.
- Implemented PageRank algorithm to predict researchers' achievement.
- Applied Flask, Redis, MongoDB, d3.js to provide a visualized result in a searchable website.

WORK EXPERIENCE

Detection of Differential Network Local Consistency.

Research Assistant

Tongji University

May.2016 - Apr.2017

- Made contribution to open source community by publishing an R-package.
- Used LM's I algorithm in the spdep package to detect local consistency of genes' network.
- Applied fdrtool, igraph in R to produce pictures showing genes' local consistency.
- Used Django & JQuery to implement a searchable website with to view the results.

Autonomous Mobile Robot

Research Assistant

Tongji University

Nov.2015 - May.2016

- Applied the PID, inverse kinematics in Arduino to control the robot.
- Used move_base, gmapping, amcl in ROS to build the controller center.
- Applied face recognition and speech recognition to improve the robot's interaction performance.
- Implemented a planner to constrain the robot on the road drawn on the map.

Online TV Dramas Search & Classify Website

Software Engineer Intern

IntSig Information Co., Ltd

Summer 2015

- Used regular-expression & urllib2 in python to collect 1 million drama info from video websites.
- Used Redis, agents & multiprocessing in improving web scraper's efficiency.