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Education

University of Washington

B.S. IN MATHEMATICS

Sept. 2018 - Current

Seattle, WA

· Overall GPA: 3.54

- Dean's List 2018 2019
- Research Interests: Machine Learning, Natural Language Processing, Robotics
- Selected coursework:
 - CSE 546 Machine Learning
 - CSE 547 Machine Learning for Big Data

Research Experiences _____

Human-centered Robotics Lab, University of Washington

Seattle, WA

Undergraduate Research Assistant

June 2020 - Current

- · Advisor: Maru Cabrera.
- Group link: https://hcrlab.cs.washington.edu.
- Currently working with RoboCup@Home Open Platform League Team.
- · Currently working on machine learning task to build a robotic system which can autonomously perform a series of tasks in the home environ-

Personal Robotics Lab, University of Washington

Seattle, WA

June 2020 - Current

Undergraduate Research Assistant

- Advisor: Rosario Scalise.
- Group link: https://personalrobotics.cs.washington.edu.
- · Currently working on Multitask Unsupervised Learning Project, using pytorch + the PyRoMID framework to develop a training pipeline for robotics-oriented mulitask unsupervised learning problems.

Industry Experiences

Hundsun Technologies Inc.

Hangzhou, China

SOFTWARE DEVELOPMENT INTERN

July 2019 - Aug. 2019

- Write, test and deploy financial apps providing services for other firms.
- Built an app used for reporting the stock market trend and predicting the future behaviors.

E.T. Logistics Laboratory, Alibaba Group

Hangzhou, China

RESEARCH INTERN

Aug. 2019 - Sept. 2019

- Read related research paper on machine learning algorithms.
- Study Linux and Robot Operating System(ROS) command line tools.

Skills_

Programming Languages Python, Java, JavaScript, PHP, MATLAB, R, SAS, SQL, LaTeX.

Tools and Frameworks PyTorch, Git, LXC, VueJS, Flask, Spark.

Skills Object-Oriented Programming, Web Development

Selected Projects

Identifying Feeding Strategies with Unsupervised Learning

Class Project

WORK DONE IN CSE547 MACHINE LEARNING FOR BIG DATA

Mar. 2020 - June 2020

- · Facilitate autonomous robotic feeding.
- Cluster foods into clusters based on sensor data collected from a fork during human feeding trials. Find that the hardness of a food and whether a food is curved are the main factors that determine the feeding strategy used for the foods examined.

Analysis of criminal situation in Chicago from 2001-2019

Class Project

WORK DONE IN CSE163 INTERMEDIATE DATA PROGRAMMING

Apr. 2019 - June 2019

- Use different kinds of data science libraries to analyze the crime data set in Chicago.
- Predict the possibility of the criminal being arrested at a given time of a day and a given criminal type.
- · Find the ranking of safety of different areas of Chicago.
- Find out how the rate of solved case affect the crime rate.
- Find out how the poverty rate, unemployment rate, educational level and age distribution among people affect the crime rate in a particular community area during a specific period of time.

My Beloved Leader: a game about immigration

Class Project

WORK DONE IN CSE190 GAME DESIGN FOR PROBLEM-SOLVING WITH PYTHON

Aug. 2018 - Sept. 2018

· Built a single player role playing game so that players can have fun playing while learning the rules of immigration at the same time.

Extracurricular Activity ____

DubsTech, University of Washington

Seattle, WA

CLUB MEMBER

Sept. 2018 - Current

- Attend various workshops teaching programming tools and frameworks.
- · Attend the Full Stack Web Development Program. Acquire the materials from backend to frontend at a fast pace and deploy a chat app.