

Shengyi “Costa” Huang

(864)501-6630
COSTA.HUANG@OUTLOOK.COM
GITHUB.COM/VWXYZJN
LINKEDIN.COM/IN/COSTA-HUANG
WWW.COSTA.SH

EDUCATION

Drexel University, Philadelphia, PA

Ph.D in Computer Science (Expected 2023)

Sep 2018 – Present

- Advisor: Dr. Santiago Ontañón
- Research Area: Game Artificial Intelligence with Reinforcement Learning
- GPA: 3.63 / 4.00

Furman University, Greenville, SC

B.S in Computer Science

B.S in Mathematics

Aug 2013 – May 2018

- Dean's list (2017 - 2018)
- GPA: 3.40 / 4.00

EXPERIENCE

Drexel University, Philadelphia, PA

Research Assistant

Sep 2019 – Present

- Experiment with Reinforcement Learning algorithms such as (A2C) Advantage Actor Critic to train agents in a customized Real-time Strategy game MicroRTS.

Carely, Inc., Greenville, SC

Backend Developer

Jun 2018 – Sep 2018

- Developed API server for the web and mobile platforms by using Go and MySQL.
- Worked with Jira, Slack, Github, Docker, and OpenAPI(Swagger).

Furman University, Greenville, SC

Research Fellow

Jun 2017 – Aug 2017

- Worked with Dr. Chirs Healy to conduct research on travel plan recommendation.
- Authored a Python server package, StreetTraffic, that collects traffic flow data.

PROJECTS

CleanRL

Reinforcement Learning Library

github.com/vwxyzjn/cleanrl

• Python ★ 38

Gym-MicroRTS

OepnAI Gym Env for MicroRTS

github.com/vwxyzjn/gym-microrts

• Python ★ 4

SC2AI

Tensorflow with StarCraft II

costa.sh/SC2AI

• Jupyter Notebook ★ 12

Portwarden

Backup Encrypted Bitwarden Vault

github.com/vwxyzjn/portwarden

• Go ★ 37

StreetTraffic

Road Traffic Data Library

streettraffic.org

• Python ★ 11

Jupyter Disqus

Add Disqus to Jupyter Notebook

github.com/vwxyzjn/jupyter_disqus

• Python ★ 11

PUBLICATIONS

“Comparing Observation and Action Representations for Reinforcement Learning in μ RTS”, Huang, S., Ontañón, S., *AIIDE Workshop on Artificial Intelligence for Strategy Games*, October 2019.

SKILLS

Python, Pytorch, Tensorflow, Numpy, Git, Linux, Statistics, Go, Docker, JavaScript, SQL.