
Education

- 2015 **Bachelor of Electrical and Computer Engineering,**
– Present *Shanghai Jiao Tong University, UM-SJTU Joint Institute, 3.20/4.00.*

Core Courses: Computer Organization, Data Structure and Algorithm, Game Design and Programming, Computer Network, Artificial Intelligence, Robotics

Experience

- Dec 2016 **Software Development Intern.**
– May 2017 YITU Technology, Shanghai
- Developed a high performance testing automation framework for HTTP APIs, which became the core QA component in company's full DevOps pipeline
 - Created majority of the C++ libraries in the framework that allow users to test one single case or a full test suite and generate testing report with great readability
 - Conducted unit testing and integration testing in the development of the framework and improved the performance by utilizing asynchronous programming
 - Gained rich experiences in organizing large Git projects while merging conflicts and fully delivered each milestone according the planed sprint timeline
- Feb 2017 **Research Assistant, Reinforcement Learning in Gaming AI based on Hybrid Action Space.**
– May 2017 Apex Data and Knowledge Management Lab, Shanghai Jiao Tong University
- Integrated DQN and DDPG algorithms to combine both discrete and continuous feature spaces when applying deep reinforcement learning to train game AI
 - Designed and tuned the reward function to improve the training speed for multiagent exploration and cooperation and improved the stability of the system
 - Applied the game AI towards a 2v2 game and gained 100% wins against human players
- Jul 2017 **Team Member, Ocean Environment Simulator.**
– May 2018 Game Design and Programming Course Project, Shanghai Jiao Tong University
- Built a visualized and parameter adjustable wave generation system with buoyancy simulation
 - Implemented a realistic boat in Unity with C# and migrated the project to VR platform
- Oct 2015 **Team Member, The LemonDB - a Relational Storage System.**
– Jun 2016 Operating Systems Course Project, Shanghai Jiao Tong University
- Implemented multi-threading database that supports various relational queries
 - Modified the kernel scheduling system to optimize the performance with multi-core adoption
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- ## Activities
- Jun 2016 **Student Government President.**
– Jul 2017 Shanghai Jiao Tong University, UM-SJTU Joint Institute
- Organized more than 50 student events; led various meetings among students and faculties; edited a new version of student handbook
 - Served as a representative of the institute to participate in the process of campus student democracy building and strengthening
- Sept 2017 **Teaching Assistant.**
– Dec 2017 Discrete Mathematics, Prof. Zachiri McKenzie
- Mentored students with holding office hours and review courses
 - Assisted professor by marking assignments and preparing exercises