

Jacky Lei

Research Project Resume

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PROJECTS

Inventory Management System

<https://github.com/JackyL100/Inventory-Management>

November 2023 - Present

- Uses SQLite to keep track of inventory for a WxWidgets GUI to query and update
- Adhered to good database design practices to ensure optimal performance and efficiency
- Incorporated clean code design to build better workflow

Proximal Policy Optimization Implementation

<https://rb.gy/r54xk1>

October 2023 - November 2023

- Utilized deep reinforcement learning principles to guide the implementation of a complex actor critic method
- Applied new Python skills to better understand and optimize the hyperparameters of the algorithm

EXPERIENCE

JEI Learning Center - Tutor

July 2023 - August 2023

- Adapted to different students' learning styles to most efficiently teach them the material
- Innovated a simple math testing program to assess and track students' academic progress

EDUCATION

Stevens Institute of Technology - Bachelor of Engineering in Software Engineering

September 2023 - May 2027

Brooklyn Technical High School - High School Diploma

September 2019 - June 2023

SKILLS

Languages: C++, Python, Java, Swift

Libraries: Pytorch, Numpy, SDL, SwiftUI, Flask, SQLite, WxWidgets, Pandas