ROBERT HSU

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EDUCATION

University of Illinois at Urbana-Champaign, Champaign *August 2016 - August 2019*
B.S. in Computer Science GPA: 3.26

Undergraduate Coursework: Algorithms, Software Engineering, Databases, Data Mining; Artificial Intelligence, Programming Languages, Distributed Systems, Data Visualization. Computer Architecture, Interactive Graphics, Linguistic Structure, Calculus III

Depaul University, Chicago *September 2014 - June 2016*
Completed Coursework towards B.S. in Computer Science GPA: 3.85

Undergraduate Coursework: Data Structures, Discrete Math, Systems Programming; Game Programming, Object-Oriented SWE

Academic Honors: Dean's List(2 years)

PROJECTS

https://rasterroo.github.io/raster http://github.com/rasterroo

SnakeQ
Designed and implemented a temporal difference learning model for a snake-learning agent. Discretized state representations and optimized learning parameters to reduce training time for optimal convergence speed at about 26 points per game with only 20,000 training iterations.

2017 Automobile Data Visualization
Showcased a narrative visualization webpage as a class project to show the correlation between number of engine cylinders and Miles Per Gallon on different terrains. Employed methods to retain consistency among slides, aided by interactive charts, annotations, and user-driven descriptions.

iTrust Final Project
Collaborated with a team of 8 in an academic setting to add new features based on use cases. Designed and partially implemented a new feature for patients to provide doctors detailed feedback. Performed extensive Unit and Selenium tests for the new Use Case.

Raster News
Live News Feed website. News feed items are populated in realtime catered towards technology related news articles.

TECHNICAL STRENGTHS

Languages: Python, Java, C, HTML/CSS, JavaScript, Haskell, SQL
Software: MS Office, Tableau, Eclipse, Android Studio, Visual Studio, NetBeans
Technologies: Git, Selenium, Docker, Node.js, D3.js, React, OpenGL