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
Transferred as of August 2016

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

EXPERIENCE

State Farm February 2020 - Present
Software Developer - Web Development *Bloomington, IL*
· To be filled
· To be filled
· To be filled

PROJECTS

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

SnakeQ

- Designed Q-Learning model for the game of Snake using pygame

- Optimized state discretization and learning parameters to quickly converge at 26 points on average

2017 Automobile Data Visualization

- Created narrative visualization interactive Web page to show the correlation between engine cylinders and MPG metric

iTrust Final Project

- Collaborated with 8 team members to implement new features based on Use Cases

- Added a feature to allow patient-doctor feedback with corresponding Selenium tests

TECHNICAL STRENGTHS

Languages: Python, Java, C, HTML/CSS, JavaScript, Haskell, SQL
Technologies: Git, Selenium, Docker, Node.js, D3.js, React.js, OpenGL