Joseph Yangtao Hu

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Objective: To obtain a full-time opportunity where I can solidify and diversify my knowledge in Computer Sciences and Software Engineering.

EDUCATION

Purdue University (Main Campus), West Lafayette, IN   **August 2015 – May 2019 (Expected)**

- Bachelor of Science in Computer Science (Current GPA 3.77/4.00) with a Minor in Economics
- Concentration in Machine Learning

Related Coursework:

- **Computer Science:** Data Structures & Algorithms, Relational Databases, Data Mining and Machine Learning, Analysis of Algorithms, Systems Programming, Computer Architecture, Artificial Intelligence, Web Application
- **Quantitative / Mathematics:** Financial Mathematics, Linear Algebra, Introduction to Statistics, Probability, Discrete Math, Game Theory

WORK EXPERIENCE

Singapore Technologies Kinetics, Singapore   **May 2016- July 2016**
Automotive Services Intern

- Calculated workshop productivity to sieve out the most efficient technicians
- Assisted with the digitalization process of work requests and records by utilizing the MAN After Sales Portal

EXTRA-CURRICULAR ACTIVITIES

Purdue Singapore Students' Association   **April 2016 – December 2017**
Student Affairs Officer

- Organize activities for existing Singapore students in Purdue
- Connect with incoming permanent and transfer students to smoothen their assimilation process

PROJECTS

Draft Lottery Simulator | Java   **May - July 2018**

- An interactive java application that simulates the lottery which determines the draft order of 14 NBA teams participating in the NBA draft.

Simple Database | Java   **Jan 2018**

- Implemented a database that parses JSON files for the relevant table data and metadata.
- Able to validate incoming data, and perform basic queries using Selection and Projection.

Predict Loan Repayment | Python, Kaggle Competition   **Oct – Nov 2017**

- Predicted whether a lender will pay off their loan by utilizing a machine learning model that took in real bank input for training and relied on Adaboost and decision trees to formulate a prediction.
- Placed in the top 30% of the competition (~85% accuracy).

TECHNICAL SKILLS AND OTHER INFORMATION

Programming Languages: Java (IntelliJ), Python, MySQL, C, HTML/CSS