**Enyang (Paul) Liu**

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**EDUCATIONAL BACKGROUND**

Bachelor of Science in Mechanical Engineering Expected graduation in 2021

University of Illinois Urbana-Champaign GPA: 3.31/4.00

**SKILL**

* Language: English, Chinese and Japanese
* Programming language: Python, HTML, JavaScript, CSS
* Intermediate with Creo and blender
* Github repository: PaulLiuEngineering
* Personal website: <https://paulliuengineering.github.io>

**ACTIVITIES/PROJECTS**

Wagglenet

* Worked on the data science team for the smart bee hive project(waggle net)
* Made a rudimentary bee sound generator using the collected sound clip from the bee hive and machine leaning tools

Association of Data Science and Analytics(2018, University of Illinois, Urbana Champaign)

* Currently working on a team project for stock analysis.
* Working on single stock analysis and stock analysis by fields

Special Interest Group, Artificial Intelligence(2018, University of Illinois, Urbana Champaign)

* Worked on a project that predicts the housing price of Boston using boosting and decision tree algorithms.
* Dataset is from Kaggle competition site. Uploaded for late submission and scored top 10 out of the 75 teams.
* Used cross validation for optimistic result.

ME270 Final Project(link: https://paulliuengineering.github.io/me270/index.html)

* Designed the website for final product in me270.
* Used bootstrap, jQuery.

ME200 Final Project(link: https://paulliuengineering.github.io/me200/index.html)

* Designed the website for the thermal analysis of an air-conditioning system called ‘CERV2’.
* Used image map, bootstrap, jQuery.

Solar Car(2017-2018, University of Illinois, Urbana Champaign)

* Worked on telemetry codes for the first semester, spent most of the time on MPPT and MPPT graphs(java).
* Worked on the firmware, power distribution system code for the second semester to optimize the function of the solar car, spent most of the time working on the power saving feature for the solar car(C++)

**INTERNSHIPS**

Talking Data(2018 Summer, Beijing**,** China)

* Interned in Talking Data for two months. Was on the Branch Location Selection project for Minsheng Bank and was mostly responsible for collecting and processing data.
* Worked on estimating the overall expected branch amount for Minsheng bank in every major cities in China.
* Developed a tool with HTML, Javascript and CSS that can project geofences, points and all of the prediction result for the Minsheng Bank project on a map.
* Scrapped related POI from the internet with python.
* Scrapped geofences of all the major cities the wards of those cities in China, processed the data to make the geofence shorter while keeping its accuracy.

**PART-TIME JOB**

* Work on the Onsite Consultant team for Technology Service at UIUC. Was responsible for computer imaging, firmware update, hardware solutions for Fine & Applied Art department.
* Take individual tickets from students of the entire university.