

# Yu-Jui (Edward) Sung

/ Aspiring Data Enthusiast passionate about translating data into valuable insights /

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## EDUCATION

University of Illinois at Urbana-Champaign

Bachelor of Science in Information Sciences

Concentration: Data Science, Minor: Computer Science

Graduation Date: May 2022

Major GPA: 3.96/4.0

## WORK EXPERIENCE

Student Lab Consultant | UIUC Engineering IT

- Provided **technical troubleshooting** support on 15 HP printers across 5 buildings in the College of Engineering.
- Collaborated with Help Desk IT to address unsolved issues and **create visualization reports** to supervisors.

AUG 2021 - PRESENT

Tools:  
Jolt, Excel, Engineering IT Portal,  
Slack

Software/Data Engineer | Octoreach International

- Built up drivers on defibrillators, ventilators, and central station machines with XML **schema definition language** for configuration to **increase 30% efficiency** among different platforms.
- Implemented TCPReciever to build **socket connection** between Phillips, Mindray and GE patient monitor's data of vital signs, alarms, and waveforms to acquire data and use HL7tojson program for transforming into **uniformed Json format**.

APR 2021 - PRESENT

Tools:  
Visual Studio, C#, .Net, Visual  
Basic, MongoDB, FHIR, Jira

Technical Intern | Magitech

- Developed inventory management logistics to **query 400 GB freight data**.
- Answered and triaged requests for assistance through building **data-driven business decisions** to provide top-notch support for clients in 3 countries, Thailand, Australia, and China.

AUG 2019 – SEP 2019

Tools:  
Excel, R, Tableau, SQL

## PROJECTS

Undergrad Researcher | *Prediction of Motor and Cognitive Impairments Using Wearable Accelerometer Data in Persons with Parkinson's Disease*

- Used **Tableau to create visualizations** after cleaning up raw data to spot abnormal peaks through wearable devices data from USC open datasets.
- Analyzed amplitudes, slowness, interruptions from wearable devices' using MATLAB to **filter noises out**.

AUG 2020 – JAN 2021

Tools:  
MATLAB, R, Slack, Word, Excel

## Skills

Advanced

R, Python, SQL, MySQL, Tableau, Google Data Studio, JAVA

Intermediate

Power BI, Google Analytics, ArcGIS, HTML, CSS, .NET, C#, MATLAB, HL7, JIRA

Novice

JavaScript, Vega Lite, MongoDB, Trello, FHIR

## CERTIFICATES & AWARDS

UIUC Data Science Certificate & Technical Commercialization Certificate

In Progress

Google Analytic for Beginners Certificate

2021

AT&T Externship Certificate

2020

UW Annual Dean's List & UIUC Dean's List

2018-2021

## LEADERSHIP & ACTIVITIES

Strategy Analytic Manager | LipTalk – WeWave

JUN 2021 - PRESENT

- Analyzed **KPI statistic such as retention rate and user growth** after creating contents on social media, TikTok.
- Invented **BI solutions** by integrating resources to build interactive visualizations.

President | Taiwanese Youth Alliance of Pacific Northwest (TYAPN)

APR 2019 – MAY 2020

- Led the team to **80% growth of members** by holding workshops, panel sessions, and career development events.