Yu-Tang, Shen

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EDUCATION

M.S., Computer Science, *San José State University* (GPA: 4.00) **May 2023**
Relevant coursework: Cloud Computing, Artificial Intelligence, Machine Learning

B.S., Computer Science, *The Chinese University of Hong Kong* (GPA: 3.34) **May 2019**

SKILLS

Programming Languages	Python, R, C, SQL, Java, HTML, CSS, Javascript
Machine Learning	Tensorflow, NLTK, Pandas, Numpy, Seaborn, OpenCV, Regex
Data Visualization	Power BI, Tableau
Software Engineering	Git, JIRA, Trello
Languages	Chinese, Cantonese, English, Taiwanese

EXPERIENCE

Machine Learning Engineer, *Winbond*, Hsinchu, Taiwan **Jan 2021 - Aug 2021**

- Extracted trending technologies with named entity recognition model to visualized dashboard helping marketing department work more efficiently with keywords
- Collaborated with patent engineers to visualize Winbond's strength with regular expressions and Power BI

Software Engineer, *Cellmax Life*, Taipei, Taiwan **Jul 2019 - Nov 2019**

- Built desktop application to automate medical report making process, eliminating typographical error and improving efficiency by 96%
- Boosted efficiency on querying by 98% by designing database, implementing with MySQL, and migrating data from Google Sheets
- Developed Vue.js front-end interface for intuitive access to the MySQL database

Data Analyst Intern, *Shopee*, Taipei, Taiwan **Jul 2018 - Aug 2018**

- Crawled price data from competitors' websites and presented comparison reports to negotiate with suppliers
- Monitored and summarized push notification performance for managers to adapt marketing strategies

PROJECTS

Named Entity Recognition, *Winbond*

- Significantly reduced time on data labeling by adopting Jieba for word segmentation and Fasttext to tag synonyms on customized entities
- Fine-tuned ALBERT NER model with customized labels to detect trending technologies in news
- Visualized trend with word cloud relieving marketing team's workload on reading news

Cell Recognition, *Cellmax Life*

- Deployed watershed segmentation algorithm to mark potential tumor cells from microscopic images for scientists to verify

Motion Retargeting, *The Chinese University of Hong Kong*

- Surveyed and experimented with various GAN networks to finally adopt StyleGAN to generate video of different-proportioned manikin performing assigned actions

ACTIVITIES

Participant, *Cathay Pacific Hackathon*
Champion Team, *Inter-Collegiate Volleyball Competitions*
Volunteer Teacher, *Galle, Sri Lanka, and Guangxi, China*