TING-YU, LIN

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EDUCATION

University of Melbourne Melbourne, Australia
Postgraduate Exchange Program *Jul. 2019 - Jul. 2020*

National Taiwan University Taipei, Taiwan
M.S. in Psychology *Sep. 2017 - Aug. 2020*

- Thesis: Tablet-Based Cognitive Assessment Battery (T-CAB): Development and Validation
- Developed R package and Data Exploration GUI for the App.

National Taiwan University Taipei, Taiwan
B.S. in Psychology *Sep. 2013 - Jun. 2017*

EXPERIENCES

Teaching Assistant of Psychoinformatics and Neuroinformatics Taipei, Taiwan
Supervisor: Prof. Tsung-Ren, Huang *Nov. 2018 - Jan. 2019*

- Provided support to over 100 students' class questions including Web Crawling, Database (SQL), Machine learning and Parallel & Distributed Computing.

NTU Computer Science + X competition Taipei, Taiwan
First Place, held by the Computer Science Department *2017*

- Competed against 30 teams (over 180 people) and won the first place.
- Wrote R script to process 19 million FB users' post-liking data from over 2,000 Facebook public pages.
- Deployed R Shiny website to visualize results in interactive plots.

PROJECTS

Twitter Exploratory Big Data Analysis Melbourne, Australia

- Built a cloud-based distributed system to crawl over 1 million tweets and stored data in the NoSQL database (CouchDB). We leveraged CouchDB's built-in MapReduce to analyze data and displayed our results on a React.js based website.

Development of Azul AI Agent Melbourne, Australia

- Developed an algorithm for AI agent to compete in Azul board game and rank 16 out of 64 teams.

SKILLS

Programming	R, Python, SQL, JavaScript, React.js, Java
Tools	Keras, scikit-learn, Pytorch, Git, Shiny (R), mpi4py, NoSQL
Language	Mandarin Chinese (Native), English (Fluent)

RELEVANT COURSES

AI & CS related	$H1$	Algorithms and Complexity (at UniMelb),
	$H1$	AI Planning for Autonomy (at UniMelb),
	$H2$	Introduction to Machine Learning (at UniMelb),
	A^+	Psychoinformatics and Neuroinformatics,
	A^+	Introduction to Computer Science,
	A	Introduction to Data Science with R,
	A	Seminar in AI and Psychology
	$-$	Deep Learning (Coursera)
Modeling & Statistics	A	Mathematical Methods in Psychology,
	A	Multivariate Analysis,
	A^+	Applied Bayesian Statistical Analysis,
	A^+	Neural and Behavior Modeling
Theory	A	Human Learning and Cognition,
	A^+	Advanced Cognitive Neuroscience