ENJUI CHANG

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Education

Minerva University   **San Francisco, CA**

Candidate for Bachelors of Science, Natural Science and Computer Science majors | **Cumulative GPA** (to date): 3.89/4.0   Expected Winter 2022

- Accredited flipped-classroom university with 50+ nationality student pool and experience with residing in 7 global cities.
- Concentrating in Earth System and Data Science.
- **Classes Taken**: Data Structures and Algorithms, Linear Algebra, ML, Data Science, Modeling, Statistics, Information Theory
- **Areas of Interest** NLP, ML, Seismology, Data visualization, Data journalism.

Work Experience

Brain Technologies   **San Mateo, CA**

NLP Fellow   Jun 2022 –

- Creating multiple functioning NLP applications from data collection, prompt engineering, to frontend & backend installment.
- Designing and ideating future decision engine prototype in conjunction with the company architecture.
- Building applications using transformers (BERT, GPT-3), AWS sagemaker, Docker and frontend tools (Gradio, React, and D3)

Droidtown Linguistics Tech   **Taipei, Taiwan**

Project Intern   Jul 2021 – Oct 2021

- Created a functioning NLU text-based, task-oriented dialogue system in Mandarin on COVID-19 vaccine information.
- Utilizing multiple real-time government vaccination API to distribute latest information to users.
- Contributed to Github repo of Droidtown Linguistics with 300+ stars.

Institute of Earth Science, Academia Sinica   **Taipei, Taiwan**

Research Intern   Aug 2020 – Sep 2020, Jul 2021–

- Reported the impact of COVID lockdown from seismic ambient noise (PSD) by extracting unstructured data from 105 seismic stations in Linux and preprocessing into 100+ usable Python Pandas dataframes for visualization.
- Evaluated correlations between ambient noise with mobility data from Google/Apple to understand human impact on seismometer recordings and visualizing via Tableau.
- Explored optimizations of seismic networks in Taiwan and suggest possible new station locations via Genetic Algorithms.

UniLife Co.   **Hsinchu, Taiwan**

Co-Founder & Tech Lead   Jul 2020 – Aug 2021

- Tech lead and co-founder in the start-up that aims to provide one-site services for 20+ universities across Taiwan.
- Received funding and technical/financial support (USD 3000+) from NTHU Garage and accepted by AppWorks, the largest accelerator in Southeast Asia.
- Generated multiple Figma interfaces for UI design/prototyping and coded 3+ web scraping algorithms for building datasets for training Mandarin BERT model (trains on 100K+ data) that executes multi-label text classification on news articles.

Project Experience

Looking Beyond Borders   **Remote**

Secretary General   Sep 2018 –

- Worked from Columnist, Editor-in-Chief to Secretary General in an online student media with 15k+ likes on Facebook.
- Organized and hosted a panel on the 2019 ZA Share Youth event, the largest student-led organization exhibition in Taiwan.
- Established an all-remote workflow by utilizing Notion, Discord, and Google Drive/Meet in a 30+ all-student group.

Team DART   **San Francisco, CA**

Civic Partner   Sep 2018 – Apr 2019

- Worked with the San Francisco Municipal Transportation Agency on the evaluation project before redesigning Townsend St.
- Created a useful interactive map and dissected future projects around Townsend to bridge the information gap in the transportation agency.
- Presented the project as a group to a 150+ audience from Minerva Schools and local professionals in San Francisco.

Publications

Yang, C. T., Chen, H. W., Chang, E. J., Kristiani, E., Nguyen, K. L. P., & Chang, J. S. (2021). Current Advances and Future Challenges of AIoT Applications in Particulate Matters (PM) Monitoring and Control. *Journal of Hazardous Materials*, 126442.

Skills and Interests

Computer: Figma, Python, Linux, Git, Docker, AWS sagemaker, React, D3, Tableau, HTML, Tailwindcss, SQL, QGIS, R

Language: Professional Mandarin | *Interests*: HOT Tasking Manager, Running/Cycling, Linguistics, Urban Studies