

Eason Chen

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Yunhe Street, Daan District, Taipei, Taiwan

EDUCATION

Bachelor of Information Science at National Taiwan Normal University (NTNU)	Expected 2023/01
<ul style="list-style-type: none">Major in Learning Science (learn how to learn)GPA 4.12/4.3	Taipei, Taiwan

RESEARCH EXPERIENCE

Ministry of Science and Technology	2021/06 - 2022/02
Undergraduate Research Project Principal Investigator	Taipei, Taiwan
<ul style="list-style-type: none">Researched on Building Natural Language Generation Chatbots which features multiple-reply and custom avatars with chosen emotion. Then compare the user experience of different designsResults published to CHI 2022, TAICHI 2021, and workshop of WWW 2022 as paper	
Google Summer of Code	2021/05 - 2021/08
Mentee	Online
<ul style="list-style-type: none">Contributed to Accord Project (an open source framework of Smart Legal Contracts)Researched on Conversion of Raw Text Legal Agreements into Smart Legal Contracts using NLPCo-work with various open-source contributors from US, UK, and India	
National Taiwan Normal University & National Taiwan University	2019/04 - Present
Research Assistant	Taipei, Taiwan
<ul style="list-style-type: none">Developed and evaluated interactive creativity task platform, results published to Q1 SSCI journalBuilt NLP chatbots with emotional and empathetic conversational abilities by GPT-3 and BERTDesigned Integrated Data Export Pipeline by Google Cloud APIs, export data as PLS-SEM statistics input	

WORK EXPERIENCE

Cohart.co	2022/04 - Present
Blockchain R&D Engineer , Part-time	Remote
<ul style="list-style-type: none">Research and Develop on NFT and Marketplace with lazy-minting, royalty for art creators on EthereumEducate colleagues on developing secure and user friendly Blockchain applicationsCo-work remotely with teammates from US, Vietnam, Malaysia, Pakistan, and Türkiye	
FiO.one	2019/06 - 2021/12
R&D Engineer , Intern and Part-time	Taipei, Taiwan
<ul style="list-style-type: none">Built easy-to-use Blockchain Applications in Education on Ethereum and IOTAReceived Best Intern Award for my implementation of data authentication process on FiO's productResearched on Blockchain Performance Optimization and Cloud Solution, results are patent pending	

PROGRAMMING SKILLS

- Blockchain:** Solidity, Hardhat, Truffle, Vyper, Brownie, IOTA, Bitcoin, IPFS, OpenCerts, NFT
- AI & Data:** PyTorch, TensorFlow, Scikit-Learn, Pandas, Matplotlib, Snorkel, SHAP, GPT-3, SPSS, SmartPLS
- Frontend:** Vue, React, Angular, TypeScript, Tensorflow.js, IndexedDB, Bootstrap, Tailwind, Selenium
- Backend:** FastAPI, Flask, Django, Express.js, Next.js, Apollo-GraphQL
- Database:** MongoDB, PostgreSQL, Redis, LevelDB, Elasticsearch, Weaviate
- Cloud & Server:** GCP, AWS, Azure, Docker, CI/CD, Google APIs, Firebase, Ubuntu, CentOS, Nginx

LANGUAGES

- Chinese (Mandarin):** Native speaker
- English:** Fluent (TOEFL score 102)

HONORS AND AWARDS

- Young Inspirers at PyCon APAC (2022)
- Five Virtue Awards at NTNU Graduation Ceremony (2022)
- Mensa Member (1% IQ)
- Dean's List at NTNU (2021)
- Excellent Student Award and Scholarship at NTNU (2021)

COMMUNITY & PUBLIC SPEAKING EXPERIENCE

PyCon APAC 2022

- 2022/09 - Tutorial: Let's Issue NFT by Brownie in 90 mins

Students' Information Technology Conference (SITCON)

- 2022/09 - Speech: As a student researcher, how show what you are made of?
- 2021/09 - Speech: How to raise an NLP AI Chatbot?
- 2020/08 - Speech: Can I use Python to control my computer?

Conference for Open Source Coders, Users and Promoters (COSCUP)

- 2022/07 - Speech: About NFT Marketplace you should know
- 2022/07 - Speech: How is it going at Google Summer of Code?
- 2022/07 - Speech: Using Snorkel to Label and Augment your Data
- 2021/08 - Speech: The user experience design on Natural Language Generation Chatbot
- 2021/08 - Speech: The changes, advantages and challenges of IOTA Chrysalis Update
- 2021/08 - Forum: Current status and potential future of Information Education at Taiwan

NTNU Google Developer Student Club (NTNU GDSC)

- Founder and Leader (2020/08 – 2021/06)
- Hosted workshops for 50+ students for back-end and chatbot development

PUBLICATIONS

- **Chen, E.**, Tseng, Y.-H., You, A., Lo, K.-P., Lin, C. (2022/07) Preliminary Design of an AI Service to Assist Self-regulated Learning by Edge Computing. Poster present at International Conference on Artificial Intelligence in Education 2022 (AIED '22)
- Wu, C.-L., Su, Y.-D., **Chen, E.**, Chen, P.-Z., Chang, Y.-L. & Chen, H.-C. (2022). Development and Validation of Interactive Creativity Task Platform. *Frontiers in Psychology*, 13, Article 954946. (SSCI, IF = 4.23, Q1)
- **Chen, E.**, Tseng, Y.-H. (2022/04). A decision model for designing NLP applications. Paper presented at the User-Centered NLP workshop at ACM The Web Conference (WWW '22).
- **Chen, E.** (2022/04). The Effect of Multiple Replies for Natural Language Generation Chatbots. Paper present at Student Research Competition in Conference on Human Factors in Computing Systems Extended Abstracts (CHI EA '22).
- Roche, N., Hernandez, W., **Chen, E.**, Siméon, J., & Selman, D. (2022/01). Ergo--a programming language for Smart Legal Contracts. Paper presented at the Programming Languages and the Law workshop at Principles of Programming Languages Conference (POPL).
- **Chen, E.**, Tseng, Y.-H., & Lo, K.-P. (2021/11). Focus Plus: Detect Learner's Distraction by Web Camera in Distance Teaching. Paper presented at the National Chair Professorship Academic Series: Teaching and Learning in Pandemic Era.
- **Chen, E.**, & Tseng, Y.-H. (2021/07). A chatbot platform that allow custom avatars and emotions and can provides multiple replies. Demo at the Taiwan Computer-Human Interaction Conference (TAICHI).
- **Chen, E.**, Tseng, Y.-H., Chiou, G.-L., & Yuan, C.-W. T. (2021/07). How the numbers of replies and avatars influence the user experience in Natural Language Generation Chatbot. Paper presented at the Taiwan Computer-Human Interaction Conference (TAICHI).