

YAO-CHUNG CHEN (Yao)

Bioinformatics Ph.D. candidate at [Nowick Lab, Freie Universität Berlin, Germany](#),
passionate about applying machine learning in biomedical research.
Seeking roles as Data Scientist, Machine Learning Engineer, or Software
Engineer. Excited to contribute expertise to a dynamic team.



WORK EXPERIENCE

Nov. 2022
|
Sep. 2022

Machine Learning Internship



Miltenyi Biotec, Bergisch Gladbach, Germany

- Developing machine learning model using Tidymodels framework to predict cell-types from flow cytometry data.
- Managing project with agile principle using Jira and Bitbucket

Sep. 2020
|
Jun. 2018

Research Assistant



National Yang-Ming Chiao-Tung University, Taiwan

- Technical reviewer of *Bioinformatics with Python Cookbook*, *Hands-On Bioinformatics with Python and R Bioinformatics Cookbook* (Packt Publishing Ltd)
- TA in Computing and Data Science Experiments
- Analyzing electronic health record data
- NGS data analysis and 3'UTR tools comparison



EDUCATION

Current
|
Oct. 2020

Ph.D. Candidate, Bioinformatics

Department of Mathematics and Computer Science



Freie Universität Berlin, Germany

- Developing software to calculate correlations of KRAB-ZNF genes and transposable elements between species
- Developing Flask application connecting with MySQL database and FastAPI

Jan. 2015
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Sep. 2012

Master of Science

Institute of Entomology



National Taiwan University, Taiwan

- Thesis: Expression of unique and shared sets of genes for asexual and sexual oogenesis during parthenogenetic and viviparous development of pea aphid, *Acyrthosiphon pisum*



Software

[TEKRAgger](#) {Bioconductor package}

[Antifungal Linguist](#) {Language model for drug discovery}

Programming Skills



Certificates

[Google Data Analytics Specialization](#) {Google, Coursera}

[Agile Project Management](#) {Coursera}

[DeepLearning.AI TensorFlow Developer Specialization](#) {Coursera}

Languages

Taiwanese Mandarin: Native
English: Proficient
German: Beginner