CHANG-YU CHANG 張昌祐

My research interest lies in the intersection of systems biology and microbial community ecology and evolution. I combine theory and experiment to study how microbial communites assemble and evovle.

🎓 EDUCATION

now — 2017

PhD. Candidate, Ecology and Evolutionary Biology
Yale University   📍 New Haven, CT

- Predicting microbial commnity assembly and function under selection
- Advisor: Alvaro Sanchez

2017 — 2011

B.S. in Life Science and M.S. in Ecology and Evolutionary Biology
National Taiwan University   📍 Taipei, Taiwan

- Math and computational courses oriented
- Insect behavior ecology and evolutionary game theory

📖 SELECTED PUBLICATIONS

2021

Engineering complex communities by directed evolution
Nature Ecology and Evolution

- Theoretical work on artificial community selection
- Developed computational tool to simulate community selection

2020

Artificially selecting bacterial communities using propagule strategies
Evolution

- Empirical work on artificially selecting bacterial communities
- Conducted high-throughput experiment and community phenotyping

💵 FELLOWSHIP

2020 — 2017

Government Fellowship for Oversea Study
Taiwan Ministry of Education

- $42000 per year for three years

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CONTACT INFO

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- 🐦 changyu_chang
- github
- G google scholar
- 🔗 changyuchang.name

For more information, please contact me via email.

SKILLS

R
Python
Bash