PO-YI(Brian), LI

Curriculum Vitae

EDUCATION

National Yang Ming Chiao Tung University
Biotechnology (Major)
Computer Science (2nd Major)
Sep 2018 – present
Current GPA: 3.7/4.3

Shanghai Jiao Tung University(exchange)
Electronic Engineering
Jul 2019 – Aug 2019
GPA: 4/4

LANGUAGE / SKILLS

Language:

- Mandarin (Native)
- English (Professional)
- Spanish (Elementary)

Skills:

- Python
- C++
- Php
- Verilog
- Html/CSS/JavaScript
- Linux
- Mac OS
- Windows
- Microsoft Office

COURSES

Biotechnology:

- Biostatistics
- Machine Learning in computational biology

Computer Science:

- Introduction to Computers and Programming
- Data Structure
- Object-oriented Programming
- Algorithms
- Discrete Mathematic
- Intro. To Computer Network
- Python and IoT Data Analysis
- Computer Orginization

Personal Information

Hi! I' m Brian, a senior student with a double major in biotechnology and computer science. I have been doing research in prof. Jinn-Moon Yang' s lab (BioXGEM) since 2020. I picked biotech as my major because I used to have a dream of becoming a biotech engineer. However, changes had happened after I took the course "Introduction to computational biology" in which I used Python programming to solve bundles of biological problems. At the same time, not only did I discover my passion for bioinformatics, but I also found my interest in entering the field of software design and programming language.

I trust all the skills I possess increases my ability to make a greater impact using computational biology. Recently, I am working as a summer intern in Insilico Medicine Taiwan, hope that I can learn more about the machine learning field then.

Projects / Competition

1. **PPISU: A Web Server for comprehensive protein-protein interface analysis (Processing)**
   Jun 2020 – present / BioxGEM
   Description: In this project, I was responsible for data analysis with Python and C++. Besides, I also participated in user interface and user experience of the web design. This process helped me acquire the ability of communicate effectively with colleagues and allowed me to explore more about Protein-protein interaction.

2. **Predict Protein-protein Hot Interacting Regions (HIRs) With Random Forest Model (Processing, College student research program)**
   Jan 2021 – present / BioXGEM
   Description: After one semester of learning background knowledge and some professional skills from the last project, I am now doing research independently. This project has the main focus on protein-protein interaction and machine learning algorithm. With random forest algorithm, I could take a different approach on the conditional problem of finding the main reasons behind Protein-protein Interaction.

3. **SJTU Entrepreneurship competition (4th place)**
   Jul 2019 – Aug 2019 / Shanghai
   Description: Different from common entrepreneurship competition that have group registrations, contestants were randomly grouped and should come up with a startup idea in a week. In my group, I was the organizer and speaker. I organized different ideas from group members and then presented the concepts clearly to the audiences and judges. It' s also the time that I found my place in a group, except for only being a leader, I can also listen to others and improve the consensus.

Extracurricular Activities

1. **Class leader / Sep 2018 - present**
   Organization: Class of 2022, Biotechnology department
2. **Minister of Intra-Association Affair / Sep 2018 - present**
   Organization: Student Association of Biotechnology department
3. **Summer Internship / 2021 summer**
   Organization: Insilico Medicine Taiwan
4. **Undergraduate Research Fellow / June 2020 - present**
   Organization: BioXGEM (Prof. Jinn-Moon Yang' s Lab)

brian7149@gmail.com 0902-200-972 Anhe Rd., Daan Dist., Taipei City, Taiwan