

UC San Diego

JACOBS SCHOOL OF ENGINEERING

ISRP 2023

International Student Research Program (ISRP) @UC San Diego

B093012059 蔡宜庭

International Services and Engagement Office (ISEO), UCSD

國立中山大學國際處

Jan. 12, 2024

About ISRP...

- A **two-month (8-9 weeks) research program** held by ISEO, UCSD and partner universities (which are mainly Asians).
- Research fields of mentor labs include EE, CS, ME, chemistry, bio-engineering, physics, neural science, etc.
- Requires working **40 hours/ week** in the lab.
- **Program fee of \$6350 USD** in 2023 provides housing, lab equipment, program activities (e.g., field trips), etc. NOT funded.

About me...

- **Electrical engineering-majored**, interested in developing AI algorithms (deep learning, machine learning, etc.). Applied to the program at my 4th bachelor's year.
- ✓ Have plans to study MS/ Ph.D. abroad.
- ✓ Average GPA & IELTS score.
- ✓ Relative research experience.



Outline

1. Application Process (On-Campus & for UCSD)
2. Laboratory Experience
3. Off-Campus Travels and Expenses
4. Conclusion

1. Application Process

1.1 Application Timeline (2023)

Sep. – Dec. (2022)	做專題並申請大專生研究計畫	<ul style="list-style-type: none">• 電機系伯煒老師 Data Science Lab• 大專生計畫通過
Jan.	考雅思	Overall 7.0
Feb. 6 – Feb. 20	校內申請	CV, academic transcript, recommendation letter, 英檢成績, application form
Mar. 15	校內提名後到 ISRP 網站登記	
Apr. 4	收到實驗室 Acceptance Letter (不同實驗室可能時間不同)	
Apr. – May	簽署文件、繳費、J-1美簽申請	可使用免面談 Interview Waiver
Jun.	出國準備	<ul style="list-style-type: none">• 可先聯絡實驗室mentor• 處理網卡、接機、旅遊等等
Jun. 26– Aug. 26	計畫期間	

1.2 Notes (Application to the program)

- The process in NSYSU generally opens for **two weeks** between January and February. Make sure the documents for application are well-prepared.
- Get “highly relative **research experiences**” before joining ISRP.
- Rank your top 3 labs that you are **highly interested** or **have good knowledge** during your application.
- Contact politely your mentors, introducing yourself and discuss about your research.

1.2 Notes (Visa, Insurance, and ISRP Documents)

Program Fee Payment

Sign (some) Document Online

Using DocuSign.

Receive DS-2019 Package

- By international mailing.
- Make sure to sign on the form.

J-1 Visa Application

Apply as soon as possible to AIT.
Interview Waiver is a good choice.

Buy Insurances (meeting J-1 requirements)

Refer to information from ISRP.

Proof of Vaccine

Required for ISRP 2023. Visit hospital to get official proofs of vaccines.

1.2 Notes (Scholarships)

國立中山大學國際處 海外生活費 \$100'000 NTD

- Qualified once the application is accepted by ISRP. Contact 國際處 for details.

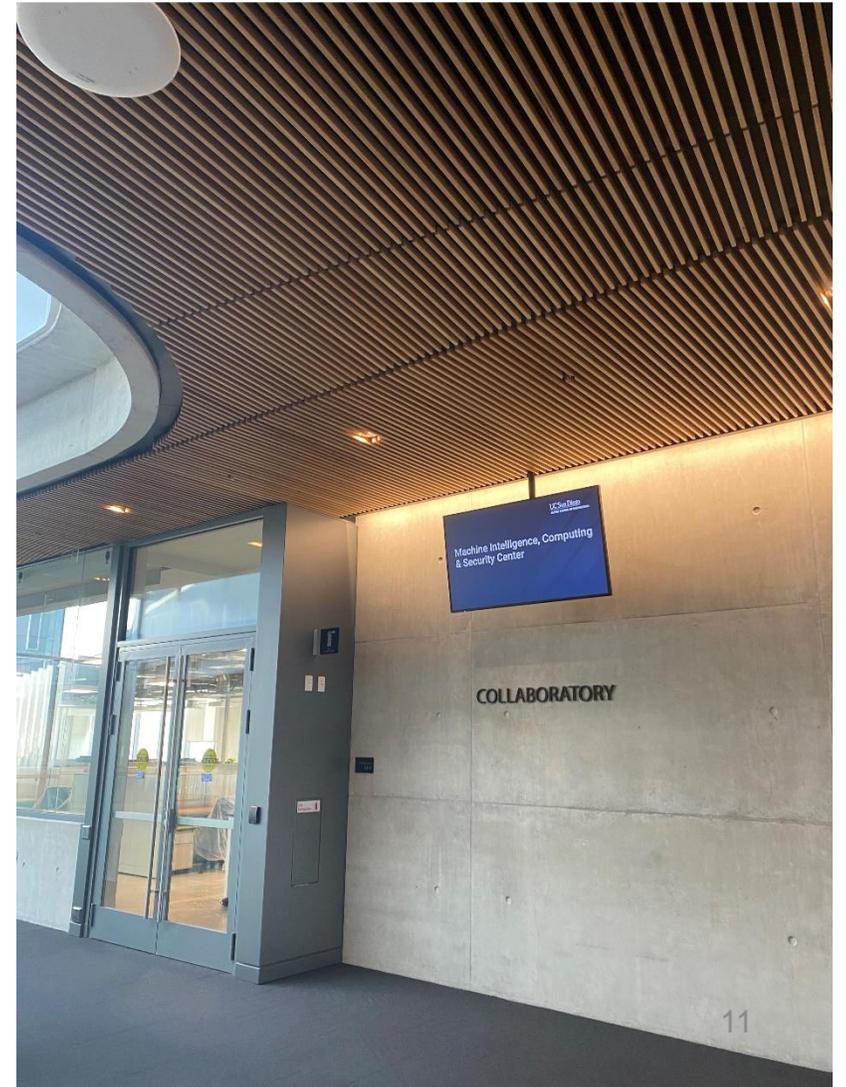
J. Yang Foundation & UC San Diego Scholarship \$5000 USD

- <https://iem.ucsd.edu/programs/j-yang-scholarship/index.html#2020>

2. Laboratory Experience

2.1 Adaptive Computing and Embedded System Lab

- My research mainly focus on **enhancing the performance and security of deep reinforcement learning deployment** on QoS routing algorithms.
- Our lab locates on Franklin Antonio Hall, advised by prof. Koushanfar.



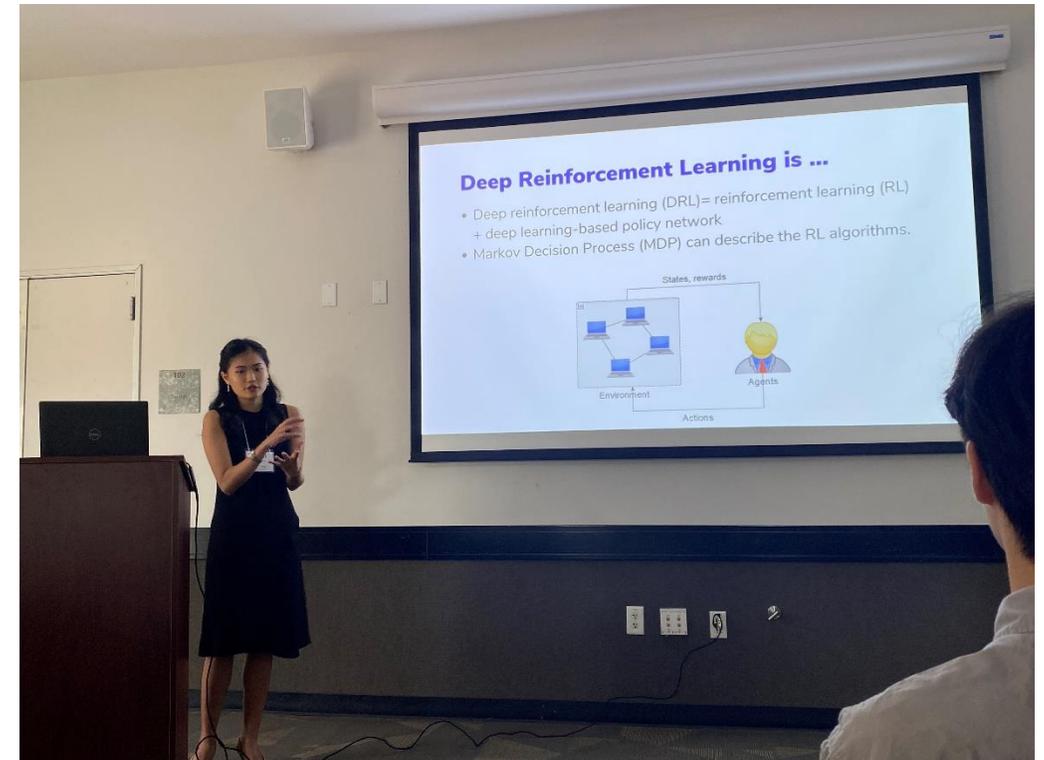
2.1 Adaptive Computing and Embedded System Lab

- No requirements (for attendance, research progress, etc.) other than the **group meeting (usually weekly)**, where every student reports their works to the professor.
- Frequently asking for/ discussing your **research directions** with mentors is highly recommended! (But not mandatory.)



2.2 Symposium at the end of the program

- 10 mins presentation and 5 mins Q/A.
- Invitations to **faculty and lab members** are encouraged.



3. Off-Campus Travels and Expenses

3.1 Expenses

項目 (Program)	金額(USD or NTD)
J. Yang Foundation Scholarship	+5000 USD
中山國際處獎學金	+10000 NTD
Program Fee (UCSD)	-6350 USD
J-1處理費 (AIT)	-160 USD
SEVIS Fee (AIT)	-220 USD
來回機票	-43000 NTD
DS-2019 International Shipment	-73 USD
施打國際疫苗	-5783 NTD
保險 (UCSD合作廠商)	-120 USD / 2 months
TOTAL	大約打平(匯率約1:32)

項目 (生活)	金額	備註
70天網卡 (蝦皮)	2540 NTD	一次性買斷
學餐、速食店	5-15 USD / 餐	
餐廳	25-40 USD / 餐	
Uber/Lyft	5-20 USD / 趟	依距離與交通狀況
自己煮	5-10 USD / 餐	
健身房	50 USD / month	校內附設

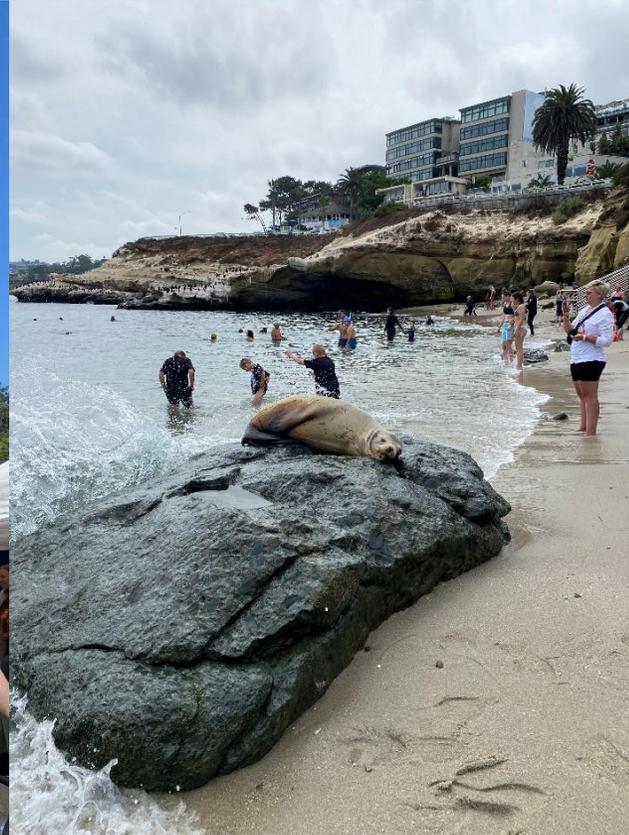
3.2 Travels around San Diego



Geisel Library



Farmer's Market



La Jolla Cove



Seaport Village

3.3 Travels around Grand Canyon National Park



Houseshoe Bend



South Rim



Upper Antelope Canyon



North Rim

4. Conclusion

4.1 Checklist before you apply...

- ❑ Seeking **lab experience and networking** in the United States.
- ❑ **Strong motivation** and **good knowledge** of your research.
- ❑ Understanding of budget, challenges (language/ culture), and dedication to the program.

4.2 Information of ISRP 2023 that may help...



AIT J-1 (Exchange Visitor) Information



ISRP (ISEO, UCSD)



ISRP (NSYSU)

Thank you!

Feel free to contact me at *edentsai101@gmail.com*.

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