

# Dylan Scott Low

## 劉岩峻

*M.A. Candidate in Neurolinguistics*

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## Research Interests

- General Syntax-semantics interface, Computational neurolinguistics, Sentence processing, Connectionism, Neural computation, Construction Grammar, Optimality Theory, Multi-lingualism/culturalism, Process philosophy (metaphysics)
- Specific Compositionality and emergence, Surprisal, Grammaticality in creole languages, Cortical columns, Brain information processing, Hierarchical Temporal Memory, Event-related potentials, Metaphor, Whitehead's theory of perception

## Education

- 2021–present **M.A. in Linguistics**, *National Taiwan Normal University*, Taipei, Taiwan  
*Degree expected 2024*  
Advisor: Shiao-hui Chan 詹曉蕙, Ph.D.
- 2015–2021\* **B.A. in English Communication**, *Payap University*, Chiang Mai, Thailand  
CGPA: 3.94/4.00  
Advisor: Michael James Day FRSA SFHEA, Ph.D.  
\*(2016–2018 spent on full-time military service in Singapore)
- 2020–2021 **Study Abroad Programme**, *Providence University*, Taichung, Taiwan  
*Focus area: Linguistics*  
Advisor: Yuda Lai 賴昱達, Ph.D.

## Experience

### Research

- 2023–present **Research Assistant**, Dept. of English, National Taiwan Normal University  
Supervisor: Chun-Yin Doris Chen 陳純音, Ph.D.  
Duties: Data cleaning, statistical analysis, and data visualisation.
- 2021–present **Research Assistant**, Neurolinguistics Lab, National Taiwan Normal University  
Supervisor: Shiao-hui Chan 詹曉蕙, Ph.D.  
Duties: EEG data collection and experimental materials design.
- 2020–2022 **Research Assistant**, Dept. of English, Providence University  
Supervisor: Yuda Lai 賴昱達, Ph.D.  
Duties: Literature review.
- 2019–2020 **Research Assistant**, Dept. of English Communication, Payap University  
Supervisor: Michael James Day FRSA SFHEA, Ph.D.  
Duties: Journal paper writing, literature review, and conceptualisation.

## Teaching

- Nov 2020 – **Teaching Assistant**, Dept. of English, Providence University  
Jun 2022 Duties: Mentorship for Taiwanese senior high school students' self-directed English learning and undergraduate assignment grading.
- Mar 2020 – **Teaching Fellow**, Taiwan Experience Education Programme, Providence University  
Jun 2020 Duties: Mentorship for Taiwanese senior high school students' self-directed intercultural English communication projects.
- Nov 2018 – **English Teacher (volunteer)**, Shalom Arts and Leadership College, Mae La  
Dec 2018 Refugee Camp, Tak Province, Thailand  
Duties: Leading a beginner-level English as a Foreign Language course for underprivileged students from Burma, including lesson planning and materials design, as well as an introductory session on basic Mandarin Chinese.

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## Training and Certifications

- May 2023 – **BrainHack School 2023**,  
Jun 2023 *Université de Montréal and National Taiwan University*  
Project title: "Predicting feedback perception in an online language learning task using EEG and machine learning" (with Stephanie Fu; Link)  
Intensive 4-week Hackathon style course focused on advanced data preprocessing and analytical techniques for human brain neurophysiological data such as EEG/ERP, MEG, and MRI.
- Jun 2022 **Academic Research Ethics Education (AREE) Certification**,  
*Ministry of Education (MOE), Taiwan R.O.C.*

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## Awards and Scholarships

- 2023 **Outstanding Graduate Student Award: Academic Achievement Category**,  
*Taiwan Scholarship and Huayu Enrichment Scholarship Programme*  
Selected as one out of over 400 holders of the 2021-23 Taiwan Scholarship in recognition of outstanding academic achievement culminating in multiple journal publications and conference presentations.
- 2021 **MOE Taiwan Scholarship (Postgraduate)**,  
*Ministry of Education (MOE), Taiwan R.O.C.*  
Value: NTD 480,000 (≈USD 15,700) over a 2-year period + NTD 160,000 (≈USD 5,235) in tuition remission
- 2021 **NTNU International Student Scholarship\***,  
*National Taiwan Normal University*  
Value: Full tuition remission for 2 years  
\*(Superseded by MOE Taiwan Scholarship)
- 2020 **Payap University Outstanding Awards: Academic Research Category**,  
*Payap University*  
Received in recognition of outstanding performance in academic research culminating in a journal publication as an undergraduate.
- 2020 **ACUCA Student Mobility Subsidy**,  
*Association of Christian Universities and Colleges in Asia (ACUCA)*  
Value: USD 2,100  
Scholarship support for student exchange to Providence University, Taiwan, during 2020.

2019 **Payap University Community Service Scholarship,**

*Payap University*

Value: THB 10,000 (≈USD 360)

Received in recognition of volunteer service rendered to the students of Shalom Arts and Leadership College in Mae La Refugee Camp, Tak Province, Thailand.

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## Publications

### Journal Articles

- [1] **Low, D. S.**, I. McNeill, and M. J. Day, "Endangered languages: A sociocognitive approach to language death, identity loss, and preservation in the age of artificial intelligence," *Sustainable Multilingualism*, vol. 21, no. 1, pp. 1–25, 2022. DOI: 10.2478/sm-2022-0011.
- [2] M. J. Day, M. Skulsuthavong, S. Du Preez, and **Low, D. S.**, "Thailand's ajarn: Tracing material-semiotic relationships in Thai higher education," *Journal of Mass Communication*, vol. 10, no. 1, pp. 157–203, 2022. [Online]. Available: <https://so03.tci-thaijo.org/index.php/masscomm/article/view/253768>.
- [3] M. J. Day, S. Du Preez, **Low, D. S.**, and M. Skulsuthavong, "'Reinventing' Thai universities: Ajarn, Thailand 4.0 & cross-cultural communication implications for international academia," *Journal of Mass Communication*, vol. 9, no. 1, pp. 102–144, 2021. [Online]. Available: <https://so03.tci-thaijo.org/index.php/masscomm/article/view/246159>.
- [4] **Low, D. S.**, M. T. Aung, and M. J. Day, "Cognitive sociology: Developing the 'diversity pathways' model in cultural neuroscience," *Human Behavior, Development and Society*, vol. 21, no. 4, pp. 66–77, 2020. [Online]. Available: <https://so01.tci-thaijo.org/index.php/hbds/article/view/243179>.

### Conference Presentations

- [5] S. P.-Y. Fu and **Low, D. S.**, *Exploring syntactic optimality in code-mixing: An empirical study of Mandarin-English bilinguals in Taiwan [paper presentation]*, 56th International Conference on Sino-Tibetan Languages and Linguistics, Bangkok, Thailand, Oct. 2023 (Accepted).
- [6] **Low, D. S.** and K. F. Wong, *Cognitive phonology, relational networks, and optimality theory: Analysing consonant phonotactics in Malaysian and Singaporean Colloquial English [poster presentation]*, 23rd National Conference on Linguistics, Taipei, Taiwan, Oct. 2022. DOI: 10.13140/RG.2.2.21837.72169/1.

### Book Chapters

- [7] M. J. Day, **Low, D. S.**, and M. Skulsuthavong, "Technology enhanced learning & teaching tensions in Thailand's higher education: Digital divergence vs. binary thinking during online education in the COVID-19 pandemic," in *Social transformations in India, Myanmar, and Thailand*, Y. Choesin, Ed., vol. 3, Singapore: Palgrave Macmillan, 2023 (in press).

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## University, Community, and other Service

2023 **Webmaster**, *13th Workshop on Theoretical East Asian Linguistics (TEAL-13)*

Designed and maintained conference website and media content.

2022-present **Webmaster**, *Neurolinguistics Lab, National Taiwan Normal University*

Designed and maintained lab website.

- 2019-2020 **Charter President (volunteer)**, *Rotaract Club of Payap University (RCPYU)*  
First student president of the RCPYU, leading its establishment to promote student-led service projects to benefit local communities in Chiang Mai and wider Thailand.
- 2018-2019 **Chief Editor and Graphic Designer**, *'EC Express' Newsletter, Payap University*  
Edited and designed the online student newsletter of the Dept. of English Communication.
- 2016-2018 **Full-time National Service (military)**, *Singapore Armed Forces*  
Served in roles related to military security, personnel database management, and access control. Rank: Corporal. Last appointment: Pass Office In-Charge.

## Human Languages

English	Native language	<i>Including Singapore Colloquial English (Singlish)</i>
Mandarin	Intermediate	<i>Traditional script (繁體中文)</i>
Thai	Beginner	<i>Able to read and write</i>
Malay	Beginner	<i>Elementary conversational competence</i>

## Computational Skills

### Computer Languages

R	Proficient	Python	Beginner
L <sup>A</sup> T <sub>E</sub> X	Intermediate	HTML	Beginner
Bash	Beginner	Java	Beginner

### Tools

Git/GitHub	Intermediate	SPSS	Intermediate
E-Prime 3	Proficient	PCIBex	Beginner

## References

- Shiahui Chan 詹曉蕙, Ph.D.  
*Professor*  
National Taiwan Normal University, TW  
shiahui@ntnu.edu.tw
- Michael J. Day FRSA SFHEA, Ph.D.  
*Associate Professor*  
University of Greenwich, UK  
drmjday@outlook.com
- Chun-Yin Doris Chen 陳純音, Ph.D.  
*Distinguished Professor and Chair*  
National Taiwan Normal University, TW  
chunyin@gapps.ntnu.edu.tw
- Tony Waters, Ph.D.  
*Professor Emeritus*  
California State University, Chico, USA  
twaters@csuchico.edu
- Yuda Lai 賴昱達, Ph.D.  
*Associate Professor*  
Nat'l Taipei University of Education, TW  
yudalai@mail.ntue.edu.tw
- Merisa Skulsuthavong, Ph.D.  
*Assistant Professor*  
Xi'an Jiaotong-Liverpool University, CN  
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