



ดีแลน สก็อตต์ เหลา  
DYLAN SCOTT LOW 劉岩峻

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## EDUCATION

- PhD in Cognitive Science, Johns Hopkins University** Baltimore, MD, USA  
• Research area(s): Computational Neurolinguistics 2024–2029 (*expected*)  
• Advisor: John T. Hale, PhD
- MA in Linguistics, National Taiwan Normal University** Taipei, Taiwan  
• Thesis<sup>📄</sup>: *Metaphorically Thinking: Insights from Neurocognitive Processing in Mandarin-English Bilingualism* (Grade: A+). 2021–2024  
• Advisor: Shiaohui Chan 詹曉蕙, PhD
- BA in English Communication, Payap University** Chiang Mai, Thailand  
• CGPA: 3.94/4.00 2015–2021  
• Advisor: Michael James Day, PhD FRSA
- Study Abroad Programme, Providence University** Taichung, Taiwan  
• Advisor: Yuda Lai 賴昱達, PhD 2020–2021

## RESEARCH INTERESTS

- The neurocognitive basis of grammatical knowledge and its use—e.g., how can we explain how the brain processes sequences of speech events in neural terms such as receptive fields, feedback loops, cortical columns, and oscillations?
  - Situated cognition, language as a system of choices, and information-theoretic models of language use—e.g., how can we build rich yet explainable computational models of the conditioned choices people have available in language use?
  - Probing the syntactic systems of the multilingual brain—e.g., what can electrophysiological methods such as EEG and MEG tell us about how syntactic knowledge is encoded and operationalised in the brains of people who speak multiple languages?
- Other topics:* AI for low-resource languages, language documentation, creole languages, Singapore English grammar, Chinese grammar, Systemic Functional Linguistics, conceptual metaphor, corpus methods, formal models of cognition, Thousand Brains Theory, metaphysics.

## RESEARCH EXPERIENCE

- Graduate Research Assistant** 2023–2024  
*National Taiwan Normal University*  
Supervisor: Doris Chun-yin Chen, PhD  
• Data cleaning, statistical analysis, and data visualisation.
- Graduate Research Assistant** 2021–2024  
*National Taiwan Normal University*  
Supervisor: Shiaohui Chan, PhD  
• EEG data collection and experimental materials design.
- Undergraduate Research Assistant** 2020–2022  
*Providence University*  
Supervisor: Yuda Lai, PhD  
• Literature review.
- Undergraduate Research Assistant** 2019–2020  
*Payap University*  
Supervisor: Michael James Day, PhD FRSA  
• Journal paper writing, literature review, and conceptualisation.

## TEACHING EXPERIENCE

### Teaching Assistant

*Johns Hopkins University*

Course: Syntax I | Instructor: Pasha Koval, PhD

- Provided tailored-to-student feedback across weekly graded and ungraded problem sets on various topics in generative syntax such as phrase structure rules, government and binding, and  $\bar{X}$  Theory.
- Mentored students during bi-weekly office hours.
- Conducted multiple independent review sessions outside lecture hours.

Spring 2025

### Teaching Assistant

*Providence University*

Course: Practical English Oral Training | Instructor: Yuda Lai, PhD

- Provided tailored-to-student grammar corrections and feedback for 30 second language learners of English across approximately 300 instances of written news reflection assignments.
- Mentored Taiwanese senior high school students' self-directed English learning projects within a university-high school partnership programme.

Nov 2020–

Jun 2022

### Teaching Fellow

*Taiwan Experience Education Programme @ Providence University*

Supervisor: Yuda Lai, PhD

- Mentored Taiwanese senior high school students' self-directed intercultural English communication projects.

Mar 2020–

Jun 2020

### Volunteer English Teacher

*Shalom Arts and Leadership College, Mae La Refugee Camp, Thailand*

Supervisor: Saw William Phaibun

- Led a beginner-level English as a Foreign Language course for underprivileged students from Burma, including lesson planning and materials design,
- Led an introductory session on basic spoken Mandarin Chinese.

Nov 2018–

Dec 2018

## PEER-REVIEWED PUBLICATIONS

### Journal Articles

1. **Low, D.S.**, McNeill, I., and Day, M.J. (2022<sup>Q</sup>). Endangered languages: A sociocognitive approach to language death, identity loss, and preservation in the age of artificial intelligence. *Sustainable Multilingualism*, 21(1), pp. 1–25.
2. Day, M.J., Skulsuthavong, M., Du Preez, S., and **Low, D.S.** (2022<sup>Q</sup>). Thailand's ajarn: Tracing material-semiotic relationships in Thai higher education. *Journal of Mass Communication*, 10(1), pp. 157–203.
3. Day, M.J., Du Preez, S., **Low, D.S.**, and Skulsuthavong, M. (2021<sup>Q</sup>). 'Reinventing' Thai universities: Ajarn, Thailand 4.0 & cross-cultural communication implications for international academia. *Journal of Mass Communication*, 9(1), pp. 102–144.
4. **Low, D.S.**, Aung, M.T., and Day, M.J. (2020<sup>Q</sup>). Cognitive sociology: Developing the 'diversity pathways' model in cultural neuroscience. *Human Behavior, Development and Society*, 21(4), pp. 66–77.

### Conference Presentations

1. **Low, D.S.** (1–5 Jul, 2024<sup>Q</sup>). Lambian neurocognitive linguistics as mathematical neuropsychology: Some proposed innovations to the theory [Poster presentation]. *11<sup>th</sup> Conference on Language, Discourse, and Cognition (CLDC-11)*, Taipei, Taiwan.
2. Fu, S.P.-Y. and **Low, D.S.** (10–12 Oct, 2023<sup>Q</sup>). Exploring syntactic optimality in code-mixing: An empirical study of Mandarin-English bilinguals in Taiwan [Conference session]. *56<sup>th</sup> International Conference on Sino-Tibetan Languages and Linguistics (ICSTLL-56)*, Bangkok, Thailand.

3. **Low, D.S.** and Wong, K.F. (28–29 Oct, 2022<sup>23</sup>). Cognitive phonology, relational networks, and optimality theory: Analysing consonant phonotactics in Malaysian and Singaporean colloquial English [Poster presentation]. *23<sup>rd</sup> National Conference on Linguistics (NCL-23)*, Taipei, Taiwan.

#### Book Chapters

3. **Low, D.S.** (forthcoming 2025). Keeping knowledge alive in the age of anti-education, disinformation, and artificial intelligence. In M.J. Day (Ed.), *Emancipatory education without boundaries in the age of neoliberalism, artificial intelligence, and digital learning*. Singapore: Palgrave Macmillan.
4. Day, M.J., **Low, D.S.**, and Skulsuthavong, M. (forthcoming 2025). Technology enhanced learning & teaching tensions in Thailand's higher education: Digital divergence vs. binary thinking during online education in the COVID-19 pandemic. In C. Yamahata (Ed.), *Social transformations in India, Myanmar, and Thailand* (vol. 3). Singapore: Palgrave Macmillan.

## AWARDS AND HONOURS

- **Honorary Membership,** 2024  
*The Phi Tau Phi Scholastic Honour Society of the Republic of China*  
中華民國斐陶斐榮譽學會  
Recognition as one among the top 3% of master's degree graduands from National Taiwan Normal University in the 2024 academic year.
- **Doctoral Financial Support Package** 2024  
*Department of Cognitive Science, Johns Hopkins University*  
Value (initial offer): ≈ USD 104,500 annually for 5 years.
- **Subsidy for Domestic Graduate Students to Attend International Academic Conferences** 2023  
補助國內研究生出席國際學術會議,  
*National Science and Technology Council, Taiwan R.O.C.*  
Travel grant awarded to attend and present research output at ICSTLL-56 in Bangkok, Thailand. (NSTC-112-2922-I-003-088; Value: NTD 20,000)
- **Outstanding Graduate Student Award** 2023  
*Taiwan Scholarship Programme, Ministry of Education, Taiwan R.O.C.*  
Selected out of over 400 holders of the 2021–23 Taiwan Scholarship for outstanding academic achievement.
- **MOE Taiwan Scholarship (Postgraduate)** 臺灣獎學金, 2021  
*Ministry of Education, Taiwan R.O.C.*  
Value: NTD 480,000 over a 2-year period + NTD 160,000 in tuition remission.
- **NTNU International Student Scholarship** 2021  
*National Taiwan Normal University*  
Value: Full tuition remission for 2 years (Value: ≈ NTD 200,000; superseded by the MOE Taiwan Scholarship).
- **PYU Outstanding Awards: Academic Research Category,** 2020  
*Payap University*  
Received for outstanding performance in academic research culminating in a journal publication as an undergraduate.
- **ACUCA Student Mobility Subsidy,** 2020  
*Association of Christian Universities and Colleges in Asia*  
Funding for study abroad at Providence University in Taichung, Taiwan. (Value: USD 2,100)
- **PYU Community Service Scholarship,** 2019  
*Payap University*  
Received in recognition of volunteer service rendered to the students of Shalom Arts and Leadership College in Mae La Refugee Camp, Thailand. (Value: THB 10,000)

CERTIFICATIONS AND TRAINING	<ul style="list-style-type: none"> <li>• <b>CITI Social &amp; Behavioural Research Basic</b> Mar 2025 <i>Collaborative Institutional Training Initiative (CITI) Programme</i></li> <li>• <b>Brainhack School 2023</b><sup>☞</sup> May 2022–Jun 2023 <i>Université de Montréal and National Taiwan University</i> Project title: <i>Predicting feedback perception in an online language learning task using EEG and machine learning</i><sup>☞</sup> Intensive 4-week hackathon-style course on data preprocessing and analysis for human brain data such as EEG/ERP, MEG, and fMRI.</li> <li>• <b>Academic Research Ethics Education (AREE) Certification</b> Jun 2022 <i>Ministry of Education, Taiwan R.O.C.</i></li> </ul>	
	<p>Reviewer for:</p> <ul style="list-style-type: none"> <li>• 13th Workshop on Cognitive Modelling and Computational Linguistics (CMCL 2024)</li> </ul> <p>Website management:</p> <ul style="list-style-type: none"> <li>• 13th Workshop on Theoretical East Asian Linguistics (TEAL 2023)</li> <li>• Neurolinguistics Lab, National Taiwan Normal University (2022–2024)</li> </ul>	
ACADEMIC SERVICE		
COMMUNITY AND OTHER SERVICE	<p><b>Volunteer and Recurring Guest Speaker</b> 2024–present <i>The Community School, Baltimore</i></p> <p><b>Founding President</b> 2019–2020 <i>Rotaract Club of Payap University</i></p> <p><b>Full-time National Service (Military)</b> 2016–2018 <i>Singapore Armed Forces</i></p>	
HUMAN LANGUAGES	<p><b>English:</b> Native language</p> <p><b>Mandarin Chinese:</b> Intermediate</p> <p><b>Thai:</b> Beginner</p> <p><b>Malay:</b> Beginner</p>	<p><i>Including Singapore Colloquial English (Singlish)</i></p> <p><i>Traditional script</i></p> <p><i>Able to read and write</i></p> <p><i>Elementary conversational competence</i></p>
COMPUTATIONAL SKILLS	<p><b>Computer Languages:</b> R, Python, Typst, L<sup>A</sup>T<sub>E</sub>X</p> <p><b>Tools:</b> Git/Github, Praat, E-Prime 3, PCIBex</p>	
REFERENCES	<p>John T. Hale, PhD <a href="mailto:jthale@jhu.edu">jthale@jhu.edu</a> <i>Professor, Department of Cognitive Science, Johns Hopkins University</i></p> <p>Michael James Day, PhD FRSA <a href="mailto:m.j.day@greenwich.ac.uk">m.j.day@greenwich.ac.uk</a> <i>Associate Professor, Information and Library Services, University of Greenwich</i></p> <p>Chun-yin Doris Chen 陳純音, PhD <a href="mailto:chunyin@gapps.ntnu.edu.tw">chunyin@gapps.ntnu.edu.tw</a> <i>Distinguished Chair Professor, Department of English, National Taiwan Normal University</i></p> <p>Tony Waters, PhD <a href="mailto:twaters@csuchico.edu">twaters@csuchico.edu</a> <i>Professor Emeritus, Department of Sociology, California State University, Chico</i></p>	<p>Pasha Koval, PhD <a href="mailto:pasha.koval@jhu.edu">pasha.koval@jhu.edu</a> <i>Visiting Assistant Professor, Department of Cognitive Science, Johns Hopkins University</i></p> <p>Shiaohui Chan 詹曉蕙, PhD <a href="mailto:shiaohui@ntnu.edu.tw">shiaohui@ntnu.edu.tw</a> <i>Professor, Department of English, National Taiwan Normal University</i></p> <p>Yuda Lai 賴昱達, PhD <a href="mailto:yudalai@mail.ntue.edu.tw">yudalai@mail.ntue.edu.tw</a> <i>Associate Professor, Dept. of Child English Education, Nat'l Taipei Univ. of Education</i></p> <p>Tom Culotta <a href="mailto:tomculotta@tcshighschool.org">tomculotta@tcshighschool.org</a> <i>Principal and Head Teacher, The Community School, Baltimore</i></p>