

Alexander James Barrett

Alex.James.Barrett@gmail.com

408-990-6722 (mobile)

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[0000-0003-1229-9743](https://orcid.org/0000-0003-1229-9743) (Orchid ID)

AlexJamesBarrett.com (website)

-Education-

- Ph.D.** Florida State University (FSU)
Instructional Systems and Learning Technology *expected 2026*
- M.A.** San Francisco State University (SFSU)
Education (TESOL) *received January 2012*
- B.A.** San Francisco State University (SFSU)
Major in English Literature *received August 2006*
Minor in Philosophy
- A.A.** Evergreen Valley College (EVC)
Liberal Arts *received May 2003*

-Certification-

- CITI Program, Ethics in Human Subjects Research: Social/Behavioral *received 2021*
- Postgraduate Certificate in Teaching and Supporting Learning in Higher Education *received 2020*
- International TEFL Teacher Training (ITTT) Certificate *received 2006*
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-Academic Experience-

- Florida State University (FSU)** *August 2021 – Present*
Tallahassee, Florida
Graduate Research Scientist (part time)
- Alasala Colleges** *September 2020 – August 2021*
Dammam, Saudi Arabia
Course Director (full time)
- Xi'an Jiaotong-Liverpool University (XJTLU)** *August 2017 – August 2020*
Suzhou, China
Lecturer (full time)
- The British Council** *November 2017 – September 2019*
Shanghai, China
International English Language Testing System (IELTS) Examiner (contract)
- Namangan State University (NamSU)** *October 2015 – August 2017*
Namangan, Uzbekistan
English Language Fellow, U.S. Department of State (contract)
- Hyogo Prefecture Board of Education** *August 2013 – August 2015*
Sumoto High School, Hyogo, Japan
Assistant Language Teacher with the Japan Exchange and Teaching Program (JET) (full time)
- Minerva Bilingual School** *August 2012 – June 2013*
Gracias, Lempira, Honduras
Teacher (full time)
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-Refereed Journal Articles-

- [J11] Zhang, N., Ke, F., **Barrett, A.** & Sokolikj, Z. (Submitted). Computational thinking assessment: a domain-general competency model. *Learning and Individual Differences*.
- [J10] **Barrett, A.**, Pack, A., Monteiro, D. & Liang, H.-N. (2023). Exploring the influence of audience familiarity on speaker anxiety and performance in virtual reality and real-life presentation contexts. *Behavior & Information Technology*. <https://doi.org/10.1080/0144929X.2023.2186145>
- [J9] Monteiro, D., Liang, H.-N., Wang, A., Wang, L., Li, H., **Barrett, A.** & Pack, A. (2023). Effects of audience familiarity on anxiety in a virtual reality public speaking tool. *Universal Access in the Information Society*. <https://doi.org/10.1007/s10209-023-00985-0>
- [J8] Pack, A., Kiss, T., **Barrett, A.** & Chen, C. (2021). Towards a non-dichotomous view of motivators and demotivators in language learning. *International Journal of Applied Linguistics*, 32(1), 94-107. <https://doi.org/10.1111/ijal.12397>
- [J7] Quaid, E. & **Barrett, A.** (2021). Qualitative interpretations of processing fluency's effect on spoken utterance fluency in simulated and face-to-face oral proficiency interviews: The test taker perspective. *Language Education & Assessment*, 4(1), 1-18. <https://doi.org/10.29140/lea.v4n1.385>
- [J6] **Barrett, A.**, Quaid, E. & Pack, A. (2021). Understanding learners' acceptance of high-immersion virtual reality systems: Insights from confirmatory and exploratory PLS-SEM analyses. *Computers & Education*, 169, 1-17. <https://doi.org/10.1016/j.compedu.2021.104214>
- [J5] **Barrett, A.**, Pack, A., Guo, Y. & Wang, N. (2021). Technology acceptance model and multi-user virtual reality learning environments for Chinese language education. *Interactive Learning Environments*, 31(3), 1665-1682. <https://doi.org/10.1080/10494820.2020.1855209>
- [J4] Pack, A. & **Barrett, A.** (2021). A review of virtual reality and English for academic purposes: Understanding where to start. *International Journal of Computer Assisted Language Learning and Teaching*, 11(1), 72-80. <https://doi.org/10.4018/IJCALLT.2021010105>
- [J3] Pack, A., **Barrett, A.**, Liang, H.-N. & Monteiro, D. (2020). University EAP students' perceptions of using a prototype virtual reality learning environment to learn writing structure. *International Journal of Computer Assisted Language Learning and Teaching*, 10(1), 27-46. <https://doi.org/10.4018/IJCALLT.2020010103>
- [J2] **Barrett, A.** (2019). Extended icebreaker. *English Teaching Forum*, 57(3), 33-35.
- [J1] **Barrett, A.** (2018). Book Review: Innovation in language learning and teaching: The case of China, *ETiC: English Teaching in China*, 10, 22-24.

-Refereed Book Chapters-

- [Ch3] **Barrett, A.** & Pack, A. (2022). The state of extended reality technologies in language education and research. In B. Zou, M. Thomas, D. Barr & W. Jia (Eds.), *Emerging Concepts in Technology-Enhanced Language Teaching and Learning* (pp. 16-41). IGI Global. <https://doi.org/10.4018/978-1-7998-8981-6.ch002>
- [Ch2] Quaid, E. & **Barrett, A.** (2020). Toward the future of computer-assisted language testing: Assessing spoken performance through semi-direct tests. In B. Zou & M. Thomas (Eds.), *Recent Developments in Technology-Enhanced and Computer-Assisted Language Learning* (pp. 208-235). IGI Global. <https://doi.org/10.4018/987-1-7998-1282-1>
- [Ch1] **Barrett, A.** (2019). Semantics. In C. Chen & G. Morris (Eds.), *How Language Works- A brief introduction to linguistics* (pp. 92-110). Macmillan Red Globe Press.

-Refereed Conference Proceedings-

- [C4] **Barrett, A.**, Ke, F., Dai, C.-P., West, L., Bhowmik, S. & Zhang, N. (2023). AI-integrated virtual students for teacher training: Comparing simulation-based classroom dialogue to the real thing. *Proceedings of the 17th International Conference of the Learning Sciences (ICLS)*.
- [C3] Bhowmik, S., **Barrett, A.**, Ke, F., Yuan, X., Southerland, S., Dai, C.-P., West, L. & Dai, Z. (2022). Simulating students: An AI chatbot for teacher training. In Chinn, C., Tan, E., Chan, C. & Kali, Y. (Eds.). *Proceedings of the 16th International Conference of the Learning Sciences (ICLS)*, 1972-1973. <https://repository.isls.org/handle/1/8669>
- [C2] **Barrett, A.**, Zhang, N., Ke, F., Moon, J. & Sokolikj, Z. (2022). Development of an evidence-centered model for computational thinking in virtual worlds with children with autism. *The 8th International Conference of the Immersive Learning Research Network (iLRN2022)*, 30-32. <https://doi.org/10.23919/iLRN55037.2022>
- [C1] Quaid, E., Pack, A., **Barrett, A.** & Zhou, L. (2020). Students' intention to use high-immersion virtual reality systems for learning paragraph structure: A PLS-SEM exploratory study. In K.-M. Frederiksen, S. Larsen, L. Bradley, & S. Thouësny (Eds.), *CALL for widening participation: short papers from EUROCALL 2020*, 291-297. <https://doi.org/10.14705/rpnet.2020.48.1203>

-Conference Presentations, Posters, & Invited Talks-

- [P31] Zhang, N., Ke, F., Dai, C.-P., **Barrett, A.**, Bhowmik, S., West, L., Yuan, X. & Southerland, S. (Submitted). *Understanding preservice teachers' perceptions and experiences in an AI-empowered teaching simulation*. American Educational Research Association (AERA) annual meeting, Philadelphia, USA.
- [P30] **Barrett, A.**, Ke, F., Dai, C.-P., Zhang, N., Bhowmik, S., West, L., Yuan, X. & Southerland, S. (Submitted). *Teacher training in virtual-world simulations: Analyzing pre-service science teacher talk moves with AI-powered student agents*. American Educational Research Association (AERA) annual meeting, Philadelphia, USA.
- [P29] Zhang, N., Ke, F., **Barrett, A.** & Sokolikj, Z. (Submitted). *Detecting learners' frustration during gameplay using sequential pattern mining*. American Educational Research Association (AERA) annual meeting, Philadelphia, USA.
- [P28] Dai, C.-P., Ke, F., Zhang, N., Southerland, S., **Barrett, A.**, Bhowmik, S., West, L. & Yuan, X. (Submitted). *Preservice teachers' emotions and ambitious teaching in virtual reality simulation with artificial intelligence-powered virtual humans*. American Educational Research Association (AERA) annual meeting, Philadelphia, USA.
- [P27] **Barrett, A.**, Zhang, N. & Wei, S. (2023, October). *Transforming perceptions on the immersive learning affordances of non-interactive media*. Association for Educational Communications & Technology International Convention (AECT), Orlando, USA.
- [P26] Dai, C.-P., Ke, F., **Barrett, A.**, Zhang, N., West, L., Southerland, S., Bhowmik, S., & Yuan, X. (2023, October). *Classroom dynamics and teaching practices with artificial intelligence virtual students in virtual reality*. Association for Educational Communications & Technology International Convention (AECT), Orlando, FL.
- [P25] **Barrett, A.**, Zhang, N., Ke, F. & Sokolikj, Z. (2023, October). *A correlation analysis of evidence-centered computational thinking behaviors from two subjects over one year*. Association for Educational Communications & Technology International Convention (AECT), Orlando, USA.

- [P24] Escalante, J., Pack, A., Carlson, M. & **Barrett, A.** (2023, September). *How reliably can large language models use a holistic rubric to place English language learners based on writing?* Artificial Intelligence Research in Applied Linguistics (AIRiAL) Conference, New York, USA.
- [P23] Pack, A., Escalante, J., Carlson, M. & **Barrett A.** (2023, September). *Exploring English Language Learners' Preferences of AI- and Human Generated Written Corrective Feedback.* Artificial Intelligence Research in Applied Linguistics (AIRiAL) Conference, New York, USA.
- [P22] **Barrett, A.**, Dai, C.-P., West, L., Bhowmik, S., Zhang, N. & Ke, F. (2023, August). *Preservice teacher discourse with AI-integrated virtual students: A look at sentence function.* The 20th Biennial European Association for Research on Learning and Instruction (EARLI) Conference, Thessaloniki, Greece.
- [P21] Zhang, N., **Barrett, A.**, Ke, F., Sokolikj, Z. & Moon, J. (2023, August). *Improving computational thinking for children with Autism in the virtual world.* The 20th Biennial European Association for Research on Learning and Instruction (EARLI) Conference, Thessaloniki, Greece.
- [P20] Monteiro, D., Wang, A., Wang, L., Li, H., **Barrett, A.**, Pack, A. & Liang, H.-N. (2023, June). *Effects of audience familiarity on anxiety in a virtual reality public speaking training tool.* WICEDxCinemotions 2023, Nantes, France.
- [P19] Zhang, N., **Barrett, A.**, Ke, F., Moon, J. & Sokolikj, Z. (2023, April). *An evidence-centered model for computational thinking assessment: Longitudinal observations of autistic youths in virtual worlds.* American Educational Research Association (AERA) annual meeting, Chicago, USA.
- [P18] Zhang, N., **Barrett, A.**, Ke, F., Moon, J. & Sokolikj, Z. (2023, March). *An evidence-centered model for computational thinking assessment: Longitudinal observations of autistic youths in virtual worlds.* Marvalene Hughes Research in Education Conference, Tallahassee, USA.
- [P17] **Barrett, A.**, Pack, A., Guo, Y. & Wang, N. (2022, June). *Investigating the new wave of technology: Language learners' acceptance of VR technology for learning Chinese characters.* Psychology of Language Learning 4 (PLL4), Sydney, Canada & virtual.
- [P16] **Barrett, A.**, Zhang, N., Ke, F., Moon, J. & Sokolikj, Z. (2022, May). *Developing an evidence-centered model for computational thinking in virtual worlds with children with autism.* Immersive Learning Research Network Conference (iLRN2022), Vienna, Austria & virtual.
- [P15] Pack, A. Quaid, E. & **Barrett, A.** (2022, March). *Virtual reality a good fit for TESOL? Insights from ELLs.* TESOL International Convention, Pittsburgh, USA & virtual.
- [P14] Quaid, E. D., **Barrett, A. J.** & Pack, A. (2021, August). *Evaluating VR system use for continuing support in university academic writing centres: An experiential approach.* PASHE 2021 Conference, University College London, U.K.
- [P13] **Barrett, A.**, Quaid, E., Pack, A. & Zhou, L. (2020, November). *Technology acceptance model application for high-immersion virtual reality learning environments.* JALT 2020 46th Annual International Conference, Tokyo, Japan.
- [P12] Quaid, E., Pack, A., **Barrett, A.** & Zhou, L. (2020, August). *Learner acceptance of a virtual reality learning environment for learning paragraph writing structure.* EuroCALL 2020 Online Conference.
- [P11] Pack, A. & **Barrett, A.** (2019, April). *Virtual reality learning environments as pedagogical tools for English for academic purposes.* BALEAP Conference: Innovation, Exploration and Transformation, Leeds, U.K.
- [P10] Pack, A. & **Barrett, A.** (2019, April). *Painting in a virtual world: How virtual reality can supplement EAP.* BALEAP Conference: Innovation, Exploration and Transformation, Leeds, U.K.

- [P9] Pack, A. & **Barrett, A.** (2019, January). *How to use the virtual reality language learning lab to teach academic writing structure*. JALT: Kyoto x MAVR, Kyoto, Japan.
- [P8] Pack, A., Liang, H.-N., & **Barrett, A.** (2018, August). *Investigating the use of virtual reality technologies to support the learning of academic English essay writing*. GloCALL Conference, Suzhou, China.
- [P7] **Barrett, A.** (2017, April). *Communicative games*. Challenges and Opportunities in ELT Conference, Namangan, Uzbekistan.
- [P6] **Barrett, A.** (2017, November). *Building quality note-taking skills*. English is Key to Dialogue TESOL Conference, Tashkent, Uzbekistan.
- [P5] **Barrett, A.**, & Kuchkarova, Y. (2016, June). *Using rubrics for performance assessment*. KazTEA Conference, Oskemen, Kazakhstan.
- [P4] **Barrett, A.**, & Sarimsakova, D. (2016, June). *Learning a lot in a little time*. KazTEA Conference, Oskemen, Kazakhstan.
- [P3] **Barrett, A.** (2016, December). *Communicative games*. Central Asia ELF Program Conference, Almaty, Kazakhstan.
- [P2] **Barrett, A.** (2014, October). *Practical techniques for teaching language*. JET Program Skill Development Conference, Awaji, Japan.
- [P1] **Barrett, A.** (2011, December). *Interlanguage pragmatics: Evidence and implications of positive transfer*. Biannual SFSU TESOL conference, San Francisco, California.
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-Honors & Awards-

- John and Clara McDonald Endowed Scholarship, Florida State University, (\$10,000), 2021
- Most Innovative Teaching Practice Award, Xi'an Jiaotong-Liverpool University, 2020
- U.K. Higher Education Academy Fellowship, 2020
- Eagle Scout Award, Boy Scouts of America, 1998

-Travel Grants-

- Marvalene Hughes Research in Education Travel Award (\$1,000), Florida State University, 2023
- The Congress of Graduate Students, (\$600), Florida State University, 2023
- Instructional Systems and Learning Technologies Student Support Fund (\$200), Florida State University, 2023
- The Congress of Graduate Students, (\$500), Florida State University, 2023
- Instructional Systems and Learning Technologies Student Support Fund (\$200), Florida State University, 2023
- The Congress of Graduate Students, (\$300), Florida State University, 2023
- The Congress of Graduate Students, (\$200), Florida State University, 2022
- Mixed and Augmented Reality SIG, (\$600), Japan Association of Language Teachers, 2019
- Teaching Conference Fund, (\$2,000), Xi'an Jiaotong-Liverpool University, 2018

-Professional Affiliations-

Current

- Association for Educational Communications & Technology (AECT), 2020, 2021, 2022, 2023
- International Society of the Learning Sciences (ISLS), 2022, 2023
- American Educational Research Association (AERA), 2022, 2023
- Junior Researchers of The European Association for Research on Learning and Instruction (JURE), 2023

Past

- Immersive Learning Research Network (iLRN), 2022
- TESOL International Association (TESOL), 2012, 2015, 2016, 2017, 2018, 2019, 2020
- British Association of Lecturers of English for Academic Purposes (BALEAP), 2019
- Institute of Electrical and Electronics Engineers (IEEE), 2022

-Professional Service-

Editorial Review Board

- International Journal of Computer Assisted Language Learning and Teaching, 2022 – Present
- TESL Reporter, 2022

Review Activity (number of reviewed manuscripts in parenthesis)

Journals

- *IJHC*: International Journal of Human-Computer Interaction (1)
- *LLT*: Language Learning & Technology (1)
- *JCAL*: Journal of Computer Assisted Learning (2)
- *CALL*: Computer Assisted Language Learning (6) *Top-10 reviewer, 2021
- *ILE*: Interactive Learning Environments (7)
- *IJCALLT*: International Journal of Computer Assisted Language Learning and Teaching (9)
- TESL Reporter (2)
- *C&E*: Computers and Education (1)

Conferences and Edited Volumes

- IGI Global (1)
- *EuroCALL*: European Association of Computer Assisted Language Learning (3)
- *ICLS*: International Conference of the Learning Sciences (3)
- *iLRN*: International Conference of the Immersive Learning Research Network (4)
- *EARLI*: European Association for Research on Learning & Instruction (5)
- *AECT*: Association for Educational Communications & Technology (5)
- *ICCE*: International Conference on Computers in Education (3)

Committee Work

- Chair, Student-Staff Liaison Committee, XJTU, 2018 – 2020
- Member, Teaching Centre Committee, XJTU, 2018 – 2020
- Member, Department Learning & Teaching Committee, XJTU, 2018 – 2020

-Research Support-

Role	Source	Grant	Study Title	Amount (period)
Researcher (PI: Xin Yuan)	National Science Foundation	2110777	NRT-IGE: Teaching Practices with Multiplayer Mixed Reality Simulations and Virtual Students	\$598,943 (2021-2024)
Researcher (PI: Fengfeng Ke)	National Science Foundation	1837917	Adaptive Training of Representational Flexibility for Adolescents with Autism Spectrum Disorder	\$299,310 (2018 – 2023)
Principal Investigator	Xi'an Jiaotong- Liverpool University	SURF201952	Leveraging collaborative VR paint programs for the teaching and learning of Chinese characters	\$960 (2019)
Principal Investigator	Xi'an Jiaotong- Liverpool University	TDF 18/19- R17-115	Investigating the Use of Virtual Reality Technologies to Support Public Speaking and Giving Presentations in English for Academic Purposes Environments	\$5,350 (2019-20)

Co-Investigator (PI: Austin Pack)	Xi'an Jiaotong- Liverpool University	TDF 17/18- R15-103	Investigating the Use of Virtual Reality Technologies to Support Learning Academic English Writing	\$7,250 (2017-19)
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Total \$911,813
Total as PI \$6,310

-Teaching Dossier-

Term	Courses Taught	Institution	Student Level	English Level	Enrollment	Student Evaluation
AY 20-21	S2 English for Academic Purposes	Alasala	Undergrad	A2	184	-
	S1 English for Academic Purposes	Alasala	Undergrad	A2	178	-
AY 19-20	S2 English for Academic Purposes	XJTLU	Undergrad	B2	25	4.55 / 5
	S1 English for Academic Purposes	XJTLU	Undergrad	B1	88	4.87 / 5
AY 18-19	S2 English for Academic Purposes	XJTLU	Undergrad	B2	85	4.59 / 5
	S1 English for Academic Purposes	XJTLU	Undergrad	B1	87	4.73 / 5
AY 17-18	S2 English for Academic Purposes	XJTLU	Undergrad	B2	92	4.69 / 5
	S1 English for Academic Purposes	XJTLU	Undergrad	B1	95	4.78 / 5
AY 16-17	S2 English Listening & Speaking	NamSU	Undergrad	B2	155	4.70 / 5
	S1 English Listening & Speaking	NamSU	Undergrad	B1	152	4.66 / 5
AY 15-16	S2 English Listening & Speaking	NamSU	Undergrad	B2	148	4.77 / 5
	S1 English Listening & Speaking	NamSU	Undergrad	B1	146	4.90 / 5
AY 14-15	S2 English Communications	Sumoto HS	Secondary	A2	240	-
	S1 English Communications	Sumoto HS	Secondary	A2	240	-
AY 14-15	S2 English Expressions	Sumoto HS	Secondary	A1	240	-
	S1 English Expressions	Sumoto HS	Secondary	A1	240	-
AY 13-14	S2 English Communications	Sumoto HS	Secondary	A2	240	-
	S1 English Communications	Sumoto HS	Secondary	A2	240	-
AY 13-14	S2 English Expressions	Sumoto HS	Secondary	A1	239	-
	S1 English Expressions	Sumoto HS	Secondary	A1	239	-
AY 13-14	S2 Intro to Academic Writing	Sumoto HS	Secondary	A2	120	-
AY 12-13	English Literature	Minerva	Primary	A1-A2	56	-
	English Grammar	Minerva	Primary	A1-A2	56	-
Term	Courses Assisted	Institution	Student Level	English Level	Enrollment	Student Evaluation
AY 10-11	S2 Advanced Listening and Speaking	CCSF	Undergrad	B2	22	-
AY 9-10	S2 Second Year Composition for Multilingual Students	SFSU	Undergrad	B2	19	-