

KYLE THOMPSON

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Education

Master of Science in Computer Science 2022-2023

California Polytechnic State University - San Luis Obispo

Bachelor of Science in Computer Science with Data Science Minor 2018-2022

California Polytechnic State University - San Luis Obispo

GPA: 3.91/4.0 • Major GPA: 3.97/4.0

Publications

Thompson, Kyle, Ruben Gamboa, et al. (2022). “Deep Learning Recommendations for the Theorem Prover ACL2”. Manuscript in preparation. Preprint available at https://rkthomps.github.io/acl2_paper.html.

Thompson, Kyle, Franz J Kurfess, et al. (2022). “UavSim: An Open-Source Simulator for Multiple UAV Path Planning”. In: *2022 18th International Conference on Distributed Computing in Sensor Systems (DCOSS)*. IEEE, pp. 229–236.

Teaching Experience

T.A. for Introduction to Data Science Fall 2021

T.A. Introduction to Distributed Computing Winter 2022, Fall 2022

Work Experience

Kestrel Institute - Summer Intern Summer 2022

Worked on an end-to-end system using an ensemble of deep learning models to give proof advice to users of the ACL2 theorem prover.

Cal Poly San Luis Obispo - Frost Undergraduate Researcher Spring 2022

Began working with the ACL2 theorem prover. Studied the ACL2 language and investigated machine learning architectures to solve warm-up challenges.

Cal Poly San Luis Obispo - Data Science Fellow Fall 2021 - Spring 2022

Compared the performance of Transformers and Long Short Term Memory networks on stock market data. Interacted with fellows and faculty from UC Santa Barbara. Gave a data science talk at a local high school.

Leadership Experience

Cal Poly Club Tennis 2018-2023

Event Coordinator (2019-2021), Competitive Team President (2021-2022), General Team President (2022-2023). Around 40 active members on the competitive team and general team respectively.