KYLE THOMPSON

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Education

Master of Science in Computer Science   2022-2023
California Polytechnic State University - San Luis Obispo
GPA: 4.0/4.0

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. Introduction to Data Science (Cal Poly CSC 301)	Fall 2021
T.A. Introduction to Distributed Computing (Cal Poly CSC 369)	Winter 2022, Fall 2022
T.A. Knowledge and Discovery from Data (Cal Poly CSC 466)	Winter 2023

Work Experience

Kestrel Institute - Summer Intern ● 40hr/week   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 ● 4hr/week   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 ● 6hr/week   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.

Pacific Life - Data Analytics Intern ● 40hr/week   Summer 2021
Created a business intelligence dashboard for Pacific Life's Operations department. The dashboard required a
pipeline for collecting and processing company data.

Clorox R&D (Employed by Workforce Logiq) - Software Intern ● 40hr/week   Summer 2020
Automated experimental analysis in the Advanced Measurement Services branch of Clorox R&D.

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.