

# KYLE THOMPSON

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## Education

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**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

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Thompson, Kyle, Ruben Gamboa, et al. (2022). “Deep Learning Recommendations for the Theorem Prover ACL2”. Under Review. Preprint available at [https://rkthomps.github.io/acl2\\_paper.html](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

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T.A. for Introduction to Data Science Fall 2021

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

## Work Experience

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**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

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**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.