

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”. Under Review. Preprint available at https://rkthomps.github.io/ac12_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 Fall 2021
T.A. Introduction to Distributed Computing Winter 2022, Fall 2022

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.

Construction Testing Services - Software Intern • 40hr/week Summer 2019
Worked on a website that allowed inspectors to submit reports via a tablet rather than on paper.

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.