Timothy R. Sumner

• (424) 324-1326 • sumner.tim@outlook.com • https://sumner-tim.github.io

Education & Certifications

MAY 2029	University of Central Florida, Orlando, FL
	Doctor of Philosophy, *Mathematics*
DEC 2022	University of Central Florida, Orlando, FL
	Master of Science, *Statistics and Data Science*
DEC 2019	University of South Florida, Tampa, FL
	Bachelor of Arts, *Statistics*
2024	**Tableau Software**
	Tableau Certified Data Analyst	Tableau Desktop Specialist
2020	**SAS Software**
	SAS 9.4 Advanced Programming	SAS 9.4 Base Programming

Computer Skills

Intermediate: JavaScript, MATLAB, Mathematica, Linux, AWS

Advanced: R, Python, SAS, LATEX, Tableau, Julia, SQL

Work Experience

MAY 2021 – Present (3+ years)	**Digital Asset Research – Lead Quantitative Analyst** I lead the development and maintenance of data science models for multiple crypto financial products. My responsibilities include: • Analyzing data from centralized and decentralized crypto exchanges and blockchain networks. • Conducting advanced research to derive actionable insights and develop robust statistical and machine learning models. • Collaborating with cross-functional teams to integrate data-driven solutions into business operations. • Ensuring data quality and staying updated on the latest developments in data science and blockchain technology.
MAY 2020 – MAY 2021 (1 year)	**Emmes – Associate SAS Programmer** I developed and implemented SAS programs for producing tables, listings, and figures for various clinical studies. My role required: • Precision and analytical rigor to ensure accurate and reliable data outputs for clinical research. • Ensuring data integrity and quality control throughout the data analysis process.
JUN 2019 – DEC 2019 (7 Months)	**Wyndham Destinations – Data Analyst Intern** I conducted novel analyses of survey data and communicated insights to customer relations department. My contributions included: • Providing critical insights that informed customer service strategies. • Improving overall customer satisfaction through data-driven recommendations.
NOV 2010 – NOV 2015 (5 years)	**United States Navy – Hospital Corpsman** I provided healthcare services to military personnel, both in clinical settings and in the field, often alongside Marines. • Awarded the Naval Achievement Medal, Fleet Marine Force Warfare Qualification, and a promotion while deployed overseas. • Maintained the leading medical authority amongst a platoon of non-medical personnel

Research Experience & Publications

DEC 2020 – Present	**Value Analytics** I provide expertise in developing quantitative metrics and statistical methodologies for key financial products. Additionally, I assist with data analysis for both academic and professional research papers, ensuring robust and accurate insights to support critical research and product development.
AUG 2020 – JUL 2021	**Statistics Teaching Assistant** I provided teaching assistance for several undergraduate courses related to probability and statistics and was the sole university funded statistics tutor for all undergraduate students.
AUG 2020 – AUG 2021	**UCF COVID-19 Research Team** I worked alongside the CDC and a team of computer scientist with the goal of providing statistical support for creating models for predicting the spread of COVID-19 across the US.
2024	From Hindsight to Foresight - Understanding and Overcoming Bias in Financial Forecasts. Journal of Business Valuation and Economic Loss Analysis.
2024	The Association between Oxaliplatin-Induced Peripheral Neuropathy, Sociodemographic, and Clinical Characteristics with Falls in Older Adults with Colorectal Cancer. American Journal of Epidemiology.
2024	Investigating the Sensitivity of the Size Premium. The Value Examiner.
2023	The Association Between Sociodemographic, Clinical, and Potentially Preventive Therapies with Oxaliplatin-Induced Peripheral Neuropathy in Colorectal Cancer Patients. Supportive Care Cancer. Springer Journals.
2022	The United States COVID-19 Forecast Hub dataset. Scientific Data.