***EXTRAMURAL GRANTS***

* **Principal Investigator,** *LogicDS: Fostering Virtual Learning of Data Science with Mathematical Logic for Rural High School Students*, NSF DRK-12, $1,010,979**,** Jul 2022 – Jun 2026
* **Principal Investigator,** [*Project SPAC3: A Culturally Relevant Approach to Spatial Computational Thinking Skills and Career Awareness through an Immersive Virtual Environment*](https://www.nsf.gov/awardsearch/showAward?AWD_ID=2148733&HistoricalAwards=false), NSF iTEST, $227,619.Jun 2022 – May 2026
* **Co-Principal Investigator,** *Project HaHa: Low-Cost Hands-on Hardware Security Education.* Florida Department of Education (FDOE Cyber Florida), Jun 2022 – Aug 2023, $1,413,129
* **Co-Principal Investigator,** [*Research Experiences for Undergraduates: Secure, Accessible, and Sustainable Transportation*](https://www.nsf.gov/awardsearch/showAward?AWD_ID=2150136&HistoricalAwards=false), NSF REU-Site, $397,382.Mar 2022 – Mar 2025
* **Principal Investigator**. [*Connecting STEM to Music and the Physics of Sound Waves* *(M-Flow)*](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1657366&HistoricalAwards=false) National Science Foundation iTEST Subcontract**.** $87,748. Feb 2022 – Jun 2023
* **Principal Investigator,** [*Hardware and Security Education for High School Students*](http://gencyber.education.ufl.edu/), U.S. National Security Agency, $149,998.Aug 2021 – Aug 2023
* **Principal Investigator,** *Fair Prediction in Virtual Learning Environments*, $50,000. Schmidt Family Foundation, Aug 2021 – Aug 2022
* **Co-Principal Investigator**, [*A Logic Programming Approach to Integrate Computing with Middle School Science Education*](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1901704&HistoricalAwards=false), NSF STEM+C, $421,755.Feb 2019 – Jan 2023
* **Senior Personnel**, [*Precision Education: The Virtual Learning Lab*](https://ies.ed.gov/funding/grantsearch/details.asp?ID=1804), US Department of Education, Institute of Educational Sciences, $8,908,288.Jul 2016 – Jun 2022
* **Senior Personnel**. *Innovating Quantum-Inspired Learning for Undergraduates in Research and Engineering (INQUIRE)*. NSF IUSE program, $1,250,000. **[Federal, Recommended for Funding by NSF],** Jul 2022 – Jun 2027
* **Senior Personnel**, [*Helios Innovation Technologies in Early Learning*](https://www.helios.org/how-we-work/investment-history/), Helios Education Foundation, $2,000,000. Jul 2019 – Jun 2021
* **Principal Investigator**, [*Large-Scale Research on Engineering Design Based on Big Learner Data Logged by a CAD Tool*](https://www.nsf.gov/awardsearch/showAward?AWD_ID=1348530), NSF EHR CORE Research Subcontract. $279,999. Oct 2018 – May 2020
* **Co-Principal Investigator**, [*Dashboards with Temporal Scaffolds: Using Educational Data Mining to Increase Temporal Participation in Online Courses*](https://www.psu.edu/news/academics/story/center-online-innovation-learning-announces-spring-2017-grant-recipients/), PSU Center for Innovation in Online Learning, $40,000. Jul 2017 – Jul 2018

***INTERNAL GRANTS***

* **Principal Investigator,** [*ML4Math: Visual Interactive Machine Learning for High School Mathematics Education*](https://research.ufl.edu/finding-funding/internal-competitive-funding.html), University of Florida Research Opportunity Seed Fund (ROSF), $85,000. Jun 2022 – Jun 2024
* **Principal Investigator,** [*FAccT AI: Fair, Accountable, and Transparent AI in Education and Beyond*](https://informatics.research.ufl.edu/ufii-programs/seed-funds.html), University of Florida Informatics Institute (UFII) Seed Grant, $21,061. Jun 2021 – Jun 2022
* **Principal Investigator,** [*Fair AI Responding to Online Education*](https://research.ufl.edu/finding-funding/internal-competitive-funding.html), University of Florida AI Catalyst Fund, $50,000. Jan 2021 – Dec 2021