



Andrew S. McKernan

Software Engineer



Mr. McKernan joined Sonoma Technology in 2022 and is working to develop innovative software solutions across numerous projects, most notably with our Insight© data management and reporting system in use on fenceline air quality monitoring projects.

Prior to his time at Sonoma Technology, Mr. McKernan worked as an Intern at MediMuse where he developed and integrated a complex data manipulation model that connected biometric data and music. The project created music and soundscapes in real time derived from wearable technology, and paired wirelessly with an Android application.

Mr. McKernan graduated from Sonoma State University *magna cum laude* with distinction. While at Sonoma State University, Mr. McKernan led two significant academic projects that leveraged an array of technologies and frameworks.

Early in the COVID-19 pandemic, Mr. McKernan created a mobile application that would facilitate a contactless shopping experience at brick-and-mortar stores. The deliverable was an Android application that allowed users to create a virtual cart by scanning barcodes with their phone and purchasing items digitally.

Mr. McKernan's capstone project at Sonoma State University aimed to integrate a React webapp with a secure drive to safely store non-fungible tokens (NFTs) offline. This project used principles of encryption and serial data processing to enable complex encryption functionality for end users.

Education

BS, Computer Science, Sonoma State University, *magna cum laude* with distinction