Samples of Current Research Projects

Mobile Testing
- Theory and application merged into projects that improve upon the state-of-the-art tools for Android Testing:
  - Real life system level context data integrated with GUI testing using Markov Models
  - GUI testing with combinatorial-based event and event sequence coverage

Web Testing
- Theory and application merged into our CPUT tool for user-session-based testing, including features for combinatorial-based test suite prioritization and test suite reduction. (Funded by NIST with the algorithms published in several venues and the tool used by several companies.)

Combinatorial Testing
- Expertise in algorithms for covering arrays for application to combinatorial testing, including applied research for higher strength coverage, seeding, and constraints.