

# Ben Theurich

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## Education

- Master of Science in Informatics (Computer Science)** October 2025 - Present  
Technical University Munich (TUM)
- Bachelor of Science in Software Engineering** May 2023  
California State University San Marcos (CSUSM), GPA 3.9 (*magna cum laude*)

## Relevant Experience

- Software Engineer II** July 2025 - October 2025  
Systems Planning and Analysis, San Diego, CA
- Led ongoing development of a Java-based analysis tool, prioritizing user feedback and coordinating cross-team work to keep releases on track
  - Streamlined user workflows by reducing manual steps ~30-50%, improving task throughput
  - Established a structured internal release cadence with pre-release QA gates; automated build versioning and standardized sprint release notes for traceability
- Software Engineer I** June 2023 - July 2025  
Systems Planning and Analysis, San Diego, CA
- Expanded an existing Java analysis tool with new capabilities, improving reliability and usability
  - Delivered on-site, hands-on training to DoD users; captured and prioritized feedback to drive the enhancement backlog
  - Shipped the first customer-ready release on schedule in an Agile environment with positive acceptance
- Contract Software Engineer** August 2022 - June 2023  
HM Electronics, Carlsbad, CA
- Coordinated with multiple teams to establish a continuous integration (CI) process between development builds and automated testing using Jenkins automation servers and Azure cloud
  - Utilized Ansible to improve setup process for new Raspberry Pi's, increasing productivity by 200%
  - Revamped automation architecture to create a more intuitive approach for selecting executor nodes
- Software Engineering Intern** June 2022 - August 2022  
HM Electronics, Carlsbad, CA
- Developed a front-end interface for a simulator application using Python and the Flask web framework
  - Streamlined installation and deployment of the new interface to various Raspberry Pi's by leveraging shell scripts and Linux services
  - Identified and resolved issues in Python code for automating web browser tests using Selenium
- Software Engineering Intern** June 2021 - August 2021  
Tech For Good, Boston, MA
- Coded donation collection and distribution functionality in Solidity using Ethereum smart contracts
  - Collaborated remotely with team of 7 other interns using GitHub, Zoom, and Notion

## Relevant Achievements

First Place in LPL Financial's 2023 24-Hour Hackathon ([github.com/BenTheurich/Stocker](https://github.com/BenTheurich/Stocker))

## Projects

- SecuriKey** ([github.com/BenTheurich/SecuriKeyGUI](https://github.com/BenTheurich/SecuriKeyGUI)) September 2021-December 2021
- Secure password management application using Java to store encrypted passwords on a USB flash drive

## Technical Skills

- **Programming Languages** - Java, Python, C++, SQL, Bash, Cucumber
- **Development Tools** - Git, VI, JUnit, Selenium, Jenkins, Jira, Flask, Ansible, Confluence