

Katelyn Kunzmann

Computer Science Student



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<https://katelynkunzmann.github.io/my-portfolio/>



<https://github.com/KatelynKunzmann>

SUMMARY

Highly motivated in team settings, collaborative, communicative, easily adaptable, and a quick-learner with a passion for computer science. Seeking to obtain a full-time position focusing on either software engineering, software design, or data analysis/management where my skills and abilities can be effectively utilized and improved upon.

EXPERIENCE

01/2023 – 04/2023 **Malware Analyst Intern** - National Cyber-Forensics and Training Alliance
Analyzing and researching the latest network cyber threats involving new emerging malware and ransomware variants.

COMPUTER SCIENCE COURSE WORK

08/2022 – 12/2022 **Applied Cryptography and Network Security** – University of Pittsburgh
Covered common cryptographic algorithms and protocols and how to use them to secure computer networks and distributed applications.

08/2022 – 12/2022 **Cryptocurrencies, Blockchains, and Applications** – Carnegie Mellon University
An overview of technological mechanisms such as distributed consensus and distributed ledgers. Also focuses on common attacks, anonymity, scalability, smart contracts and legal/policy questions.

05/2022 – 08/2022 **Data Structures and Algorithms 2** – University of Pittsburgh
Covered a broad range of algorithms for searching, encryption, compression, graphs, and dynamic programming.

05/2022 – 08/2022 **Software Engineering** – University of Pittsburgh
Topics covered: requirements analysis, software methodologies with an emphasis on SCRUM, design patterns, architectures, diagrams, and UML modeling.
Semester-long group project in which students implement a software product from its specification.

01/2022 – 05/2022 **Programming for Web Applications** – University of Pittsburgh
Built web-based applications and network applications using the JavaScript language.

08/2021 – 12/2021 **Software QA** – University of Pittsburgh
Learned about testing theory, software testing: manual and automated tests, test-driven and behavior-driven development, performance testing, and understanding as well as developing a testing process.

EDUCATION

08/2020 – 05/2023 **Computer Science**
School of Computing and Information - University of Pittsburgh, PA

SKILLS

- Programming Languages: Java, Python, C, HTML&CSS, JavaScript, Solidity, Go, assembly/x86
- Development tools: Git, Linux, JUnit testing, React, VueJS, SQLite, threeJS, ViteJS, Python Django, Postman, Selenium, VisualVM, Ganache