

Neil Kozlowski

660-221-8490

<https://nkozlo3.github.io/PortfolioWebsite/>

leinkozlo7@gmail.com

www.linkedin.com/in/kozlowskiN

Education

The University of Illinois, Urbana-Champaign, IL

Aug 2020 – Present

- Bachelor of Science in Computer Science & Statistics, GPA: 3.80
- Relevant Coursework: Data Structures, Discrete Structures, Matrix theory, Web Design, Linear Algebra, Calculus Based Statistics I and II, Calculus Sequence, Software Design Lab, Computer Architecture, Numerical Methods, Applied Regression and Design, Algorithms & Models of Computation.

Coding Languages: C++, C#, Python, JavaScript

Relevant Experience

ALDI USA, Aurora IL

NIT Developer Intern

May 2023-Aug 2023

- Responsible for supporting Aldi's National Operations
- Wrote PowerShell scripts to automate previously repetitive tasks
- Participated in code reviews
- Supported the development of AREP (ALDI Real Estate Portal) in the back-end (C#) and frontend (ReactJS)

UIUC, Urbana IL

Lead Data Structures Course Assistant

Aug 2023-Present

Data Structures Course Assistant

Jan 2023-Aug 2023

- Promoted to a Lead Course Assistant because of demonstrated leadership and commitment to improving the course
- Served as a first point of contact for students requiring debugging assistance completing assignments in C++
- Fixed vulnerability in the course's autograder that allowed students to run arbitrary code as the root user
- Wrote shell scripts that automatically configure students' developer environments
- Created a lab assignment covering the implementation of skiplists and Bloom filters

Projects

- Data analysis (<https://github.com/nkozlo3/LinkedListLuvrs-OpenFlights-Graph-Algorithm.git>):
 - Performed comprehensive data analysis of flight paths across the world using C++
 - Used Dijkstra's algorithm, Tarjan's strongly connected component algorithm, and depth first search to answer various questions about the flight paths dataset
 - Created a visualization of flights across the world using the Mercator projection
- Password manager extension (<https://github.com/nkozlo3/ChromePasswordManagerExtension.git>):
 - Wrote a password manager extension for chrome that creates, stores, and autofills passwords, in JavaScript
 - Implemented an algorithm that encrypts passwords using a master key, allowing for their secure storage
 - Built a secure method of mapping website names to encrypted passwords, preventing malicious websites from reading passwords for other websites
- Visit my GitHub to see my other projects: <https://github.com/nkozlo3/>

Hackathons

- 24th place in Fall CTF (capture the flag), UIUC
- ECTF Third Place UIUC <https://credsverse.com/credentials/5128512b-5feb-420e-b8f9-ce2b35f00917>

Computer Skills

Docker | Linux | C# | GitHub | C++ | Research

Awards and Interests

Collegiate National Honors Society (2020-Present), National Technical Honors Society (2017-2019),
National High School Scholar (2016-2020), UIUC Dean's List (2021-present)
Clubs: Active in UIUC Boxing, SIGPwny (cyber security), and GameBuilders (Game Design)