

Lucas Kellar

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Education

University of Michigan	Ann Arbor, MI	August 2025 – April 2026
• Pursuing a MSE in Computer Science and Engineering		
University of Michigan	Ann Arbor, MI	August 2022 – April 2025
• Graduated Summa Cum Laude with a BSE in Computer Science		
• Dean's List: Fall 2022, Winter 2023, Winter 2024, Fall 2025, & Winter 2025		

Experience

Software Engineer Intern – Capital One	McLean, VA	June 2025 - August 2025
• Developed a full stack feature to overhaul permissioning for a internal penetration testing system, allowing external users to report test results with strict access controls		
EECS 484 Grader – University of Michigan	Ann Arbor, MI	September 2024 – April 2025
• Grade assignments for an Upper-Level Computer Science course.		
DevOps Intern – Wade Trim	Detroit, MI	May 2024 – August 2024
• Worked on a small team developing internal applications for a mid-sized engineering firm.		
Software Engineering Intern – SupplyPike	Fayetteville, AR	November 2017 – August 2018
• Developed 40+ Shipping Document Integrations for 3rd party carriers		January 2020 – August 2022
• Added numerous customer facing features to a Retail Analytics/ Deductions Disputing platform		March 2023 – August 2023
• Created an automatic customer onboarding/backfilling service, saving other engineers and customer service staff from manual onboards or information updates		
• Helped bootstrap a deduction disputing platform for a new retailer, primarily focusing on data scraping.		
• Maintained several internal browser extensions and web tools used by the sales team to more efficiently discover and track customer leads		

Skills

- Programming Languages:** Javascript, Typescript, Python, Swift, C++, HTML, CSS, SQL
- Frameworks:** React, SwiftUI, Flask, Express, Koa, Nest.js, BullMQ, Vapor
- Developer Tools/Services:** Docker, Git, MongoDB, PostgreSQL, RabbitMQ, Redis, PowerShell

Projects

- Ultimate Tic Tac Toe** (uttt.lkellar.org) Online multiplayer Ultimate Tic Tac Toe game built with Typescript, React, and SockJS
- Trips - Packing List Manager** (lkellar.org/trips) Simple SwiftUI Packing List App for iOS/iPadOS
- Advent of Code** (github.com/lkellar/advent-of-code) (In Progress) Small set of yearly programming challenges that I work on between school and work projects. Currently completing them in Swift
- Invertible Bloom Lookup Tables** (github.com/lkellar/iblt) Implementation of three variants of the Invertible Bloom Lookup Table structure in C++

Awards

- 1st Place 2020 & 2021 Arkansas All-State Coding Competition** May 2020/2021
- 2nd Place 2022 Arkansas All-State Coding Competition** April 2022
- 1st Place 2019 JB Hunt Hackathon** October 2019
- 2nd Place 2021 Fall JB Hunt Hackathon** November 2021
- 1st Place 2019 Congressional App Challenge - AR-3** January 2020
- Arkansas CS Student of Distinction** August 2021