

Reference Story No.	Pool	Story Source	Story Summary
1	1	EECS 168 FA22	Developed a Python program for EECS 168 that simulated a web history using user input commands.
2	1	EECS 168 FA22	Developed a Python program for EECS 168 that helps the user make a grocery list and checks off items they've grabbed
3	3	EECS 268 SP23	Developed a Python program for EECS 268 that simulated a CPU Scheduler. Given a text file filled with commands, programs will get in queue and perform actions based off of the commands given to it.
4	5	EECS 581 Project 1: Minesweeper	Developed a Python Program in order to successfully implement the popular game minesweeper. This uses a GUI for ease of use along with sound effects and being able to choose how many mines to play with.
5	3	EECS 581 Project 2: Maintenance	Inherited a minesweeper project from another group in order to make meaningful improvements. Added 3 different AI modes to play with along with adding sound effects to the game.
6	8	EECS 348 Term Project: Calculator	Project that spanned the length of a whole semester to implement a calculator in C++. Handled operator precedence using PEMDAS.
7	8	EECS 447 Final Project: Website with Database	Project that was a showing of integrating database systems with code that we have seen up to this point. Created Social Media website with partner that could handle a database of all their information.
8	21	HackKU 2023: ViFri	Hackathon mobile app that could track fridge contents and create recipes and shopping list. Involved an extensive use of HTML, CSS, JavaScript, and React Native.
9	3	EECS 388: Self Driving Car	Final project in EECS 388 that required creating a mini self driving robot. Was coded using C. Used physical components such as a Raspberry Pi, a microcontroller, and a motor. Mainly involved coding outputs based on what the microcontroller board was reading.

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10	21	HackKU 2023: ProtestTools	Hackathon project that was a self-hosted tool for organizing local community action. Events could be created and shared with relevant info that only users with a valid generated link would be able to access.
11	8	EECS 447 Term Project: Library Database	The project was to create a database for a small library in MySQL. It covered all relevant actions such as borrowing, returning and stored user and employee accounts.
12	21	SELF CSP: 3D Printing Curriculum	Researched, created, and implemented a 3d printing curriculum for the Boys & Girls Club of Lawrence. Involved year long correspondence with stakeholders, managing a budget, and onsite classes.
13	1	EECS 348 SP24	Developed a C program to calculate all possible ways a given point total could be scored in a game of football
14	2	EECS 468 FA24	Developed an infix calculator in Haskell with all basic calculator operations
15	3	EECS 468 FA24	Implemented the game of nim in haskell with multiplayer functionality
16	3	EECS 468 FA24	Developed a http file server in JavaScript. Supported GET, PUT, DELETE, and MKCOL requests from local client to external server.
17	2	EECS 563 FA24	Implemented TCP and UDP clients and servers in python that could send and receive text messages.
18	3	EECS 648 FA24	Implemented a gridworld case study and solvers in python that used Monte-Carlo, SARSA, and Decaying Epsilon-Greedy algorithms.
19	3	EECS 565 SP25	Implemented a buffer overflow attack lab using SEED Labs to exploit stack vulnerabilities and demonstrated mitigation with address space randomization.

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20	5	EECS 563 SP24	Developed TCP and UDP clients and servers in Python that exchanged messages, tested latency, and analyzed packet delivery reliability under network stress.
21	5	EECS 565 SP25	Created a DNS poisoning attack simulation and implemented countermeasures through cache validation and randomized transaction IDs.
22	8	EECS 565 SP25	Built an RSA encryption and decryption tool in Python, supporting modular exponentiation, key generation, and message signing verification.
23	5	EECS 678 SP25	Implemented a CPU scheduler simulator supporting multiple algorithms (FCFS, SJF, PSJF, RR, PRI) with an event-driven model using C and priority queues.
24	3	EECS 678 SP25	Developed synchronization primitives such as semaphores and mutex locks to handle producer-consumer and reader-writer concurrency problems in multithreaded programs.
25	8	EECS 678 SP25	Built a virtual memory management module that simulated paging, frame allocation, and page replacement algorithms like FIFO and LRU.