KAIA DAMIAN

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EDUCATION

University of Notre Dame | Notre Dame, IN — May 2026
Bachelor of Science — *GPA: 3.8*
Major: Computer Science Engineering

AWARDS

University of Notre Dame - Academic Scholarship — Aug 2022 – Present
Society of American Military Engineers – Guam Post Charlie Corn Scholarship — 2023 – 2024 and 2024-2025
Dean's List – College of Engineering — 2023, 2024

WORK EXPERIENCE

Naval Facilities Engineering Systems Command Marianas | Guam — Jun 2024 – Aug 2024
Student Trainee-Command Information Office (40 hours per week)

- Shadowed cybersecurity specialists when installing patches to industrial systems that control the provision of water and power throughout the military and its bases.
- Converted and updated a batch file to a PowerShell script which runs various diagnostics on a computer, collects the data, and formats and outputs it into both .txt and .csv files that documents the baseline state of the computer.
- Wrote PowerShell scripts to collect EventLog data from company computers and parsed the data in order to convert it to .csv format.

PROJECTS (RELEVANT COURSEWORK)

Undergrad Research – Security & Software Engineering Lab| University of Notre Dame | 6 hours per week — Aug 2024 – Present

- Developed a Python script to search and retrieve GitHub forum for posts relevant to our research topic of Safetensors.
- Utilized virtual environments such as Conda when running Python scripts that obtained necessary model repos for data collection, then filtered and parsed the data into .json and .csv files.
- Performed open coding on search results to extract relevant data, assigning key concepts for effective sorting and categorization.
- Examined works related to our research topic, analyzed their differences, then edited the research paper in a Latex document.

Systems Programming| University of Notre Dame | 8-10 hours per week — Jan 2024 – May 2024

- Completed advanced programming assignments and exams extensively covering Unix shell scripting, its command line, and regular expressions to filter and sort data as well as automate tasks.
- Utilize programming and development tools (Valgrind, VSCode, GDB, etc.) to debug, analyze, and test software applications.
- Wrote Python scripts that apply libraries and data structures to handle and process a diverse range of datasets.
- Utilize C low-level functions and system calls to maneuver files and achieve network communication through sockets.

Fundamentals of Computing | University of Notre Dame | 5-6 hours per week — Aug 2023 – Dec 2023

- Programmed in C (in over 500 lines of code) a user-interactive game of Crossword in which the clues are anagrams. Created and manipulated data structures, implemented pointers, and constructed and utilized nested functions.
- Programmed a user-interactive game that simulates the animation of Conway's Game of Life, a cellular automation determined by its initial state. Wrote the program in C using 2D char arrays, utilizing different libraries, and processing command line arguments.

VOLUNTEER/SERVICE

Girls Who Code through WICS | South Bend, Indiana — Feb 2024 – May 2024
Adams High School

- Travel weekly to local high schools to teach young girls how to code and build strong connections with them.

Lector and Choir Member | Maina, Guam — Jan 2020 – Present
Our Lady of Purification Parish (1-2 hours per week, only over Christmas/Summer break after graduating high school)

- Lead readings and singing during Mass while also assisting in training new lectors.

CLUBS

Society of Women Engineers (SWE) | University of Notre Dame | 1-2 hours per week — Aug 2022 – Present
Women in Computer Science (WICS) | University of Notre Dame | 1-2 hours per month — Mar 2023 – Present

TECHNICAL SKILLS

Programming Experience: Python, JavaScript, HTML, CSS, C, Unix/Linux Shell Scripting and Command Line, PowerShell, MATLAB
Proficient in: Excel, Word, Mac-based desktop environment