KAIA DAMIAN

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EDUCATION

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

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 — Fall 2023, Fall 2024
Valedictorian – Notre Dame High School — 2022

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 deploying patches to industrial systems that control the provision of water and power throughout the military bases, gaining exposure to custom scripts used for vulnerability assessment and detection.
- 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 to convert it to .csv format.

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

- Developed and implemented Python web scrapers to collect data from multiple sources relevant to research topic of Safetensors.
- Utilized virtual environments such as Conda when running Python scripts that obtained necessary model repositories for data collection, then filtered and parsed the data using BeautifulSoup and pandas, then exported it into .json and .csv files.
- Performed open coding on search results to extract relevant data, assigning key concepts for effective sorting and categorization.

PROJECTS (RELEVANT COURSEWORK)

Programming Paradigms | University of Notre Dame | 7-9 hours per week — January 2025 – May 2025

- Collaborated on a team project to build a Django-based app with multiple custom database models with complex relationships, user authentication/authorization, role-based navigation, a search feature, REST API integration, and dynamic content rendering.

Modern Web Development | University of Notre Dame | 6-8 hours per week — January 2025 – May 2025

- Collaborated on a team project to build a full-stack web application utilizing React, JavaScript, Node.js, Parse, HTML, and CSS. Implemented key features including real-time chat functionality, interactive map integration, and a dynamic search feature.

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

- Completed advanced programming assignments and exams extensively covering Unix/Linux shell scripting, command line utilities, task automation, and regular expressions to filter and sort data.
- 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.

VOLUNTEER/SERVICE

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

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

Lector and Choir Member | Maina, Guam | *Our Lady of Purification Parish* | 1-2 hours per week — Jan 2020 – Present

- Lead readings and singing during Mass while also assisting in training new lectors. *(Only over school breaks after graduating high school.)*

CLUBS

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

TECHNICAL SKILLS

Programming Experience: Python, JavaScript, React, C, Java, REST API, HTML, CSS, Node.js, Django, Clojure, Parse, Unix/Linux Shell Scripting and Command Line, PowerShell, MATLAB | Proficient in: Excel, Word, Mac-based desktop environment