Kenneth D. Nakashimo

820 Perry Ave
Montebello, CA 90640
+1 (323) 434-3838

kdnakashimo719@gmail.com
linkedin.com/in/kdnaka719
kdnaka.github.io

Objective Build professional workplace experience in engineering software and web apps.

Interests Web applications, Backend development, Infrastructure

Strengths Database, Software development

Education

B.S. Computer Science — May 2023
University of Utah
Salt Lake City, UT

Elective Courses

CS 4300 Artificial Intelligence
CS 4440 Introduction to Computer Security
CS 4480 Computer Networks
CS 4600 Introduction to Computer Graphics
CS 5530 Database Systems

Technical Skills

OS:
Linux, Windows

Language:
C, C++, C#, Java, Python

Tool/Basics:
Azure, Blazor, Docker, GitHub, JavaScript, JSON, MySQL, .Net, WebGL

Projects

Senior Capstone Project – Team — Jan 2022 – Dec 2022

- Designed a social media-style fitness web application that allows users to plan and customize workout routines and meals.
- Coded CRUD operations after creating and scaffolding database following MVC.
- Managed team's project webpage.

- Azure
- Blazor
- LINQ (C#)
- MariaDB

Computation Research – Individual — Oct 2021 – Dec 2021

- Studied topic in software correctness using deterministic finite automaton (DFA) with Boolean satisfiability problem (SAT).
- Determined if a DFA machine can be constructed in *n* nodes.
- Organized learnings into a presentation for graduate seminar course.

- Cryptominisat
- Docker

Learning Management System – Pair — Feb 2021 – Apr 2021

- Implemented query functions for tool tracking educational entities, e.g., users, courses, assignments.
- Drew the entity-relationship (ER) diagram and translated it to MySQL tables.
- Utilized a database scaffolder for models in MVC.

- LINQ (C#)
- MariaDB
- .Net
- Pomelo

Web-Scraping Video Compiler – Team — Oct 2020 – Dec 2020

- Coded programs to compile a timeline video displaying data of 6 web sources.
- Used AWS EC2 instances to run hourly bash scripts collecting the data.
- Ran C++ code to process data into frames and compile a MP4 file.

- AWS
- Docker
- FFmpeg
- Selenium