RAMITA DHAMRONGSIRIVADH she/her/hers

(413)-315-7805 | memeramita@gmail.com | linkedin.com/in/ramita-dh
github.com/memeramita | mimiramita.github.io/mimiramita/

EDUCATION

University of Massachusetts Amherst   Exp. Graduation May 2025
College of Information and Computer Sciences   GPA: 4.00
B.S. in Computer Science
Chulalongkorn University   2020 – 2022
International School of Engineering
B.S. in Robotics and Artificial Intelligence Engineering

Coursework: Computer Programming, Data Structures, Algorithms, Computer Architecture, Introduction to Machine Learning, Ubiquitous Computing and Networking, Probability and Statistics, Programming Methodology
In Progress: Software Engineering, Computer System Principles, Reasoning Under Uncertainty

EXPERIENCE

University of Massachusetts Amherst   Feb 2023 – present
Undergraduate Course Assistant (CS311 Algorithms)   Amherst, MA
- Work with faculty and graduate teaching assistants to ensure in-class activities run smoothly and lead small group discussions.
- Grade and provide feedbacks on class assignments and exams.
- Proctor exams and respond to student questions (in-person, online platforms).

North Carolina State University   Jun – Aug 2021
Research Intern   Remote
- Installed and tested persistent memory under supervision from professor and graduate students.
- Implemented C++ persistent memory program to analyze performance using Gprof and launched persistent memory fuzzing program called PMFuzz to detect bugs in eight kinds of persistent memory workloads on Linux system.
- Identified most time-consuming parts of persistent memory where future researchers should focus on to improve performance of persistent applications and wrote report paper about findings.

PROJECTS

Cram With Me at HackUMass 2022 – 36hour hackathon   Nov 2022
- Developed and designed web application for finding study partners with team using Next.js, React, and JavaScript.

Board Game at MLH's Snakes and Hackers 2 – 2day hackathon   Aug 2022
- Developed browser board games with team using JavaScript, HTML, and CSS.
- Won 1st overall.

Plant-Watering Robot –Robotics Project I & II Courses at Chulalongkorn University   Feb 2022
- Designed and built robot for watering plants with team using sensors, motors, and Arduino.

Sudoku Solver – Columbia University's Artificial Intelligence Online Course   Jun 2021
- Implemented sudoku solver program using Python and constraint satisfaction model.

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS
Tools: Git, GitHub, SQL, Flask, React, Redux, Linux, Unity, Eclipse, PyCharm, Google Colab, Next.js

ACTIVITIES

Machine Learning Club
- Participate in weekly machine learning workshops and small-group advanced discussions on new emerging artificial intelligence and machine learning technology.

CICSoft Club
- Attend front-end web development weekly sessions focusing on learning JavaScript and React.