Linn Khant Thuya | Computer Science

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SKILLS

- C++
- Node.JS
- MongoDB
- Arduino
- Python
- HTML/CSS
- Assembly
- Linux

EXPERIENCE

02/2024 - Present

Research Mentee Caltech
- Develops Python and MatLab scripts involving Regular Expressions to organize files and folders which hasten the process of computational research
- Will utilize Python to visualize and analyze complex datasets, contributing to the understanding of mammalian brains and emotional response mechanisms

10/2023 - Present

Software Team Member Robotics Team PCC - MATE ROV Competition
- Programmed Python and Arduino-based rover for land and water navigation, environmental sensing, and data storage
- Visualized data using Python, Matplotlib, and Pandas

08/2023 - Present

Teaching Assistant "C++: Intro to OOP" class - Pasadena City College
- Developed CMake files to integrate Google Test seamlessly with C++ and x86, constructing automated grading tools for student assignments
- Helps students with understanding of complex programming concepts

08/2022 - Present

Math/Writing Tutor Pasadena City College
- Supported over 200 students with college algebra and calculus
- Provides help with reading and writing of academic papers

08/2023 - 12/2023

LA-Tech IT Academy Powered by **Microsoft Scholar**
- Completed tasks on cloud administration, operation systems, and servers
- Gained a solid foundation of IT and helpdesk through Microsoft Learn

06/2021 - 12/2021

Coordinator, Main Coach, Coach Project RISE - Cybersecurity
- Coached over sixty students in preparation for the CompTIA Network+ exam
- Orchestrated revision sessions on Zoom with over sixty attendees.

EDUCATION

2022 - Present

Engineering and Technology - Associate in Science, Pasadena City College
- GPA 4.0
- Robert Westerbeck Scholarship - Fall 2023 Highest Prize Recipient

Programming Projects

- A deployed full-stack RESTful application where users can authenticate and perform CRUD operations on landmarks and their reviews (Bootstrap, NodeJS, Ejs, MongoDB, Render)
- Graphing Calculator from scratch (C++, SFML, Linked Lists, Stacks/ Queues, RPN, ShuntingYard)
- Word Dropping game (Assembly x86, Irvine Library)

Leadership

- Local lead of **NASA SpaceApps 2023 Hackathon** for Pasadena
  - Recruited 120 participants, and spearheaded the virtual hackathon over two days
- Arduino Workshop Coordinator / Speaker at PI Day 2024 at Pasadena City College