Krishna Kalakkad

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EDUCATION

CAL POLY, SAN LUIS OBISPO

SEPT 2017 - JUNE 2021

Pursuing a B.S. in Liberal Arts and Engineering Studies (LAES), with a concentration in Computer Security and International Relations.

LINKS

Github: **krishnakalakkad**
LinkedIn: **krishnakalakkad**

SKILLS

Java • Python • C/C++
C# •Javascript • HTML
CSS • SQL • KQL • bash
LaTeX

TECHNOLOGIES

Microsoft Azure • Unity
Microsoft Office • mySQL
Git • SSH • Mac • Windows
Linux • VMware • Unix

RELEVANT COURSEWORK

Object Oriented Programming
Data Structures
Algorithms
Computer Architecture
Systems Programming
Vector Analysis
Linear Algebra I, II
Game Theory
Ethical Hacking
Project Based Learning
Independent Research

CAMPUS INVOLVEMENT

LAES Club
- Treasurer from 2018-2019
- VP from 2019-2020

EXPERIENCE

SEEDS IN STEM | UNITY GAME DEVELOPER

SEPT 2020 - DEC 2020 | Remote

- Proposed and developed a Unity-powered game that teaches middle and high schoolers the basics of kinematics.
- Designed the gameplay, and developed player movement and mechanics using skills in Unity, C#, and raycasting.

CAL POLY CS. DEPT. | RESEARCH ASSISTANT

SEPT 2020 - PRESENT | Remote

- Created an algorithm that applies concurrent programming to Gauss Jordan elimination when solving linear systems of equations.
- Integrated this algorithm into a message passing interface that parallelizes a wide variety of linear algebra operations on 50x50 matrices.

CAL POLY ACADEMIC SKILLS CTR. | WORKSHOP LEADER

APR 2019 - JUNE 2020 | San Luis Obispo, CA

- Conducted out-of-class review sessions for calculus and linear algebra courses that previously experienced a high rate of fails and withdrawals. 97% of the students I worked with achieved passing grade.
- Accelerated student learning by designing and implementing resources such as games and worksheets which enabled students to gain clear understanding of the course material.

LAM RESEARCH | SECURITY OPERATIONS INTERN

JUNE 2019 - SEPT 2019 | Fremont, CA

- Wrote queries in Microsoft Azure Log Analytics that efficiently detected potential threats to the servers and filtered out expendable data, and thus saved the company $12,000/ year.
- Identified a DLP solution to improve the company's capacity to monitor intellectual property. I interviewed numerous vendors and relayed pros and cons to internal stakeholders to enable decision on solution.

CALIFORNIA CYBERSECURITY INSTITUTE | PUZZLE DESIGNER

SEPT 2018 - DEC 2018 | San Luis Obispo, CA

- Part of a team that designed and built an escape room that taught participants about cybersecurity.
- Installed Kali Linux on a used computer and designed a puzzle inside the computer that taught participants about password cracking.