CAREER GOALS:

As a aspiring Computer Scientist it is my lifelong dream to pursue a PhD and career with specializations in Machine Learning and Cyber Security. My passion for the STEM fields comes from an internal yearning for discovery and a sense of intrinsic altruism. I am constantly sharpening my technical abilities through work and research both inside and outside of the classroom, I hope to grow into an engineer that leaves a lasting and positive impact on humanity.

TECHNICAL SKILLS

-Proficient in C++, JavaScript, SQL, LitElement, CSS, Python, x86, and MIPS.
-Expertise in algorithm creation, OOP, data manipulation, and data structures.
-Knowledge of Cyber Security frameworks and secure coding practices.
-Technical understanding of Ubuntu and Kali Linux distributions.
-Frequent user of Git/Github for project development.
-Experience with Wordpress development and UX design concepts.
-Adept knowledge of hardware

CONTACT INFORMATION:

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github.com/CivBuilder

Christopher Catechis

University of Nevada, Las Vegas
B.S. Computer Science Student - 3.62 GPA
Expected graduation of May 2023

WORK EXPERIENCE

Associate Software Engineer Intern

CHIROTOUCH (MARCH 2022-CURRENT)

-Participate in the development of user stories in JavaScript, MySQL, CSS, HTML, and LitElement on a full web based distributed cloud application stack.
-Work closely with QA Automation Engineers to develop and maintain unit/integration tests.

Teaching Assistant

COLLEGE OF SOUTHERN NEVADA (AUGUST 2021-CURRENT)

-Instruct students on fundamental concepts of Linux and C++ in the college's Computer Science I & II classes.
-Tutor students in advanced topics such as data structures, debugging, algorithm design, Object Oriented Programming, and software architecture.

PROJECTS

NASA CoP Research Competition - 3rd Place

Designed a C++ program to simulate habitable zones of exoplanets through 3D rendered landscapes/models using ROS and Gazebo software.

Knight's Tour Puzzle

Constructed a C++ program using two-dimensional vectors, logic gates, recursion, and a diverse set of data structures to solve the knight's tour puzzle in which a knight traverses a chessboard such that it can only visit a square once.

Genetic Algorithm and JPEG Manipulation

Created a Matlab program to breed cells of different fitness over an inputted quantity of generations which work together to form a stipulated JPEG based on genetic similarities.

LEADERSHIP AND INVOLVEMENT

UNLV CYBER SECURITY CLINIC

- The mission of the research clinic is to provide Cyber Security assistance to small businesses in the Las Vegas Valley.

SIGMA ALPHA MU FRATERNITY

- President (2021)
- Treasurer (2018-2020)

LAYER_ZERO CYBERSECURITY CLUB MEMBER/NCL COMPETITOR

- Top 2% of competitors in National Cyber League competition placing 95 out of 3978