






ANAND SUNDERRAJAN

A motivated young professional with an amalgam of unique experiences, looking to further knowledge and experience while contributing to the society.

CONTACT

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NATIONALITY

American

SKILLS

Technical skills:

Assembly (LC3)	Adobe Suite
C/C++	AWS
C for CUDA	Git
JavaScript	Jetbrains Suite
Node-Red	Keras
Python	KiCad
System Verilog	Linux
MS Office Suite	LaTeX
Quartus	HTML/CSS
React	

Personal skills:

Communication	Creativity
Teamwork	Organisation
Leadership	Management
Writing	Public Speaking
Photography	Graphic Art
Sports	

LANGUAGES

English - Fluent
Hindi - Fluent
Spanish - Intermediate

INTERESTS

Artificial Intelligence, Consumer Technology, Computer Hardware, Data Management, Digital System Design, Gaming, Information Assurance, Internet of Things, Machine Learning, Management, Photography, UI/UX Design, Web Design



EDUCATION

University of Illinois Urbana-Champaign - Bachelor of Science in Computer Engineering
(September 2017 - May 2021)

International School of Havana, Cuba - International Baccalaureate Diploma
(June 2015 - May 2017)



WORK EXPERIENCE

University of Illinois Urbana-Champaign
Course Assistant

(Present)

Serving as a course assistant for ECE385 (a digital systems and FPGA course). Assist students in laboratory experiments. Hold office hours for students to resolve their queries and further their understanding of digital systems design.

Hendrick House

(May 2018-June 2019)

Receptionist

(September 2018 - June 2019)

Resident Advisor

(May 2018 - September 2018)

Collaborated with a team of 6 Resident Advisors to establish a united leadership team. Addressed resident issues and concerns in a professional and timely manner. Maintained a database of services used by residents and sold to visitors. Created accurate and detailed reports for each shift.

International School of Havana - Havana, Cuba
IT Intern

(October 2016 - May 2017)

Created a program to maintain a student database and assist in inputting values for various categories for each student. Assisted in the implementation of the IT infrastructure for the new building built on Calle 21.

UNICEF - Havana, Cuba
Intern

(May 2016 - September 2016)

Developed a program for maintaining an expense database. Allowed user to efficiently parse through accounts locally on their machine and visualize expense categories.



RELATED COURSE-WORK

CS225: Introduction to Data Structures and Algorithms with C++
Experience with data storage structures.

Grade A

ECE385: Digital Systems Laboratory

Grade A

Experience designing and building digital systems using transistor-transistor logic, System Verilog and field programmable gate arrays

ECE498ICC: IoT and Cognitive Computing

Grade B+

Experience with CNN creation using Keras and Low Level APIs. Experience using Node-RED, GPUs, Edge devices, Cloud devices

CS440: Artificial Intelligence

In Progress



PROJECTS

COVID-19 Tracker

In Progress

JavaScript, React, CSS

Website with an interactive interface that tracks COVID-19 cases globally using API data available from 'The COVID Tracking Project'. Displays relevant data through text and visual aid.

Pipelined LC3-b Microprocessor

View Code

System Verilog, KiCad, FPGA Development, Quartus Prime, TTL Logic, LaTeX

A pipelined version of the LC3-B Microprocessor with features such as cache, branch prediction etc. Pipelined version built as a final project for ECE385 (Digital Systems Laboratory) with additional features added subsequently.

Object Detection System

View Code

Python, TensorFlow, NumPy, Pandas

An object detection and classification system trained using Fashion-MNIST, built using two separate methods - Low-Level APIs and Keras.