Daniel Chamoun

Looking to learn more about tech through real-world experiences by collaborating with a team of experts.

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EXPERIENCE

Illinois Space Tech Academy — *Web Developer*

JUNE 2022 - ONGOING

Use HTML, CSS, Javascript, and PHP within WordPress in order to create an educational course for NASA's Artemis project.

Beckman ITS, Urbana IL — *IT Support*

JUNE 2022 - ONGOING

Troubleshoot and solve problems for researchers within the Beckman Institute including hardware, miscellaneous tickets, and printing.

Code Ninjas, Libertyville IL — *Coding Instructor*

SEPTEMBER 2018 - JULY 2019

Teaching kids ages 7–14 basic coding and robotics fundamentals. Strong emphasis on critical thinking, problem solving and teamwork.

Here, we taught a variety of coding languages including Javascript, HTML, CSS, Lua, and Python.

EDUCATION

University of Illinois — Computer *Engineering*

August 2020 - present

Currently a junior looking to further my understanding in anything relating to computers. I am interested in lower level computer languages, hardware systems, and higher level programming.

PROJECTS (see website above for more details)

Nixie Tube Clock — *Ongoing Project*

Uses C and assembly with PIC microprocessors in order to display the current time in a HH:MM:SS format. Currently still in development.

DDR on FPGA— *5/10/2022*

Uses Systemverilog as well as SDRAM to create a rhythm game based project which utilizes I2C and I2S audio configurations.

Mosaic Generator from PNG's— *8/10/2021*

Generates a specified PNG from a selection of other specified PNG's.

Sound Controlled LED's Project— *1/25/2020*

Uses Arduino and MSGEQ7 graphic equalizers to produce festive lights in time with the music inputted through audio in. Colors change according to the frequencies of the audio data.

SKILLS

C	HTML
C++	CSS
Java	Javascript
Python	React
PHP	Node.js
SQL	System Verilog

AWARDS

Engineering Scholarship Endow

President's Award Scholarship

LANGUAGES

English (native)
Spanish (proficient)
Japanese (proficient)

STRENGTHS

Critical thinking and patience when solving long and potentially frustrating tasks such as troubleshooting and debugging.

Collaborative mindset ensures efficiency in a group setting.

Fast learner of any protocols, methods, or languages required.