

# 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.