Sean Kudrna

Computer Science major

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U.S. Citizen

EDUCATION

University of Illinois at Chicago, Chicago, IL — *Computer Science* — College of Engineering

Current - May 2023 (Expected graduation year)

College of Dupage, Glen Ellyn, IL — *Gen Ed.*

June 2019 - May 2020

Completed one year at College of Dupage to fulfill engineering prerequisites.

EXPERIENCE

Control Solutions, Aurora, IL — Software Engineering Intern

December 2020 - January 2021

–Developed automated testing protocols for the Phoenix motor controller.

–Worked with C++, QT, Raspberry Pi and embedded systems to build a GUI hub for interfacing with a power supply, battery charger, digital multimeter, DAC, and a series of relays for product testing.

University of Illinois at Chicago, Chicago, IL — Web Developer

September 2020 - December 2020

–Developed, tested and deployed new web-based applications and databases.

–Implemented changes to existing web-based applications and databases.

–Worked heavily with advanced programming languages for back-end development and work with web APIs.

Stuudeo, Chicago, IL — *Lead Backend Developer*

March 2020 - August 2020

–Chief technical programmer / website architect.

–Took the lead in developing backend website functionality and accompanying databases. Worked in parallel with lead UI developer to ensure a smooth user experience. Integrated APIs to assist with image compression, and data storage.

–Worked heavily with PHP, SQL, HTML, and minor JavaScript to develop algorithms for editing and accessing database information and integration with the web application.

Apple, Naperville, IL — *Technical Specialist*

September 2019 - April 2020

–Ran diagnostics to uncover both hardware and software failures in iOS devices and troubleshot accordingly to resolve the issue.

–Processed and handled incoming and outgoing repairs to resolve device issues.

SKILLS

C++ / C

Java

C#

Python

PHP

HTML

JavaScript

Professional Goals

– My ultimate goal is to obtain a position as a software engineer for a leading company.

–I aspire to be a part of a bigger picture where I can contribute my skills and experience towards the company's goals as well as my own.

–I wish to work on new and innovative projects and join the movement to stretch the unending bounds of technology.

PROJECTS

NCHS Autoshop Website

–Developed a website with HTML, Python, and SQLite with a team of 4 to allow users to input requests for vehicle repairs.

– Developed the database and access/alteration functions.