

# Nolan Hays

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## EDUCATION

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<b>Liberty University</b> – Lynchburg, VA	<i>August 2022 - Present</i>
Information Technology: Web and Mobile Programming	
<b>Purdue University</b> – West Lafayette, IN	<i>August 2020 - May 2022</i>
Computer Engineering	

## WORK EXPERIENCE

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<b>Helping His Hands Disaster Response</b> – Vincennes, IN	<i>May 2023 – Present</i>
<i>Tech Director</i>	
<ul style="list-style-type: none"><li>Built and maintain the organization’s website</li><li>Administer technical help to co-workers</li></ul>	
<b>The Lubrizol Corporation</b> – Wickliffe, OH	<i>August 2021 – December 2021</i>
<i>IT Infrastructure Admin Intern</i>	
<ul style="list-style-type: none"><li>Built, managed, and administered training sessions for SharePoint Online websites</li><li>Collaborated with a team to ensure a smooth transition from on-premise to cloud servers</li></ul>	
<b>Naval Surface Warfare Center, Crane Division (NSWC Crane)</b> - Crane, IN	<i>May 2021 – August 2021</i>
<i>Engineering Intern</i>	
<ul style="list-style-type: none"><li>Explored processes of Model-Based Systems Engineering (MBSE) while learning how to replicate real-world systems into Cameo Systems Modeler</li><li>Researched and educated project team on a particular aircraft system to increase efficiency and knowledge among team members</li></ul>	
<b>Hospice Express</b> – Vincennes, IN	<i>May 2018 – Present</i>
<i>Part-time employee</i>	
<ul style="list-style-type: none"><li>Maintain company’s website, mobile app, and online order form running on custom Google Apps Script</li></ul>	

## PROJECTS

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<b>Automated Dorm Room Lights</b>	<i>April 2023</i>
<ul style="list-style-type: none"><li>Utilized and programmed an ESP32 to act as a web server to control a wireless light switch from a mobile device</li></ul>	
<b>Google Apps Script/Web Server Implementation</b>	<i>January 2023</i>
<ul style="list-style-type: none"><li>Created an automated service for an online order form that sends a confirmation text to the customer</li><li>Customer is prompted to respond with an image, and that image is automatically uploaded to company’s Google Drive</li></ul>	
<b>AI Texting Robot</b>	<i>November 2022</i>
<ul style="list-style-type: none"><li>Programmed an AI robot using Python that allows a user to carry out conversations with AI over text messages</li><li>Utilized OpenAI’s GPT API and Twilio’s messaging service to mimic a human on the other end of the phone</li></ul>	
<b>Virtual Drum Machine</b>	<i>December 2020</i>
<ul style="list-style-type: none"><li>Designed a program in Python to allow the user to create fully unique drum beats by interacting with a grid of buttons</li></ul>	
<b>Raspberry Pi RetroPie Console</b>	<i>July 2019</i>
<ul style="list-style-type: none"><li>Constructed a handheld video game console powered by a Raspberry Pi</li><li>Designed and 3-D printed a custom enclosure using Autodesk Fusion</li></ul>	