NATHAN C. SPOTTS

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OBJECTIVE

To obtain a full-time engineering position where I can dedicate my passion, experience and knowledge in the field of automation and software development.

EDUCATION

August 2015 -

Present

July 2013 -February 2015

January 2014 -August 2014

AWARDS & HONORS

COMPUTER SKILLS

EXPERIENCE Nov 2019 -

Present

May 2018 -Present

May 2018 -May 2019

May 2017 – August 2017

August 2016 -January 2017

COLLEGIATE ACTIVITIES

PERSONAL PROJECTS

The University of Toledo, Toledo, Ohio

Bachelor of Science, Mechanical Engineering

• Graduation Date: May 2019 • Grade Point Average: 3.976

The Michigan Institute of Aviation and Technology, Canton, Michigan

Associate of Science, Aviation Maintenance Technology

• FAA certified Powerplant License

• Grade Point Average: 4.00

Wayne County Community College, Taylor, Michigan

Fulfilled general education requirements for both Associate and Bachelor Degrees

• Grade Point Average: 4.00

• Summa Cum Laude

• Valedictorian of High School Class

• President's List • National Society of Collegiate Scholars

• Microsoft Windows 10, Linux • SQL, JavaScript MathCAD • Excel, Word, PowerPoint • ROS AutoCAD

• Python, C++, HTML, CSS, VBA

• MATLAB • SolidWorks, Solid Edge

Tronair, Swanton, Ohio – Aircraft GSE Provider

Mechanical Engineer

• Developed VBA algorithm to analyze inventory parameters during massive product migration.

• Supported the designs and manufacturing of HPUs, GPUs, hydraulic jacks, and electric tugs.

NES Custom Design, Wauseon, Ohio

Owner of Small 3D Printing & CNC Engraving Business

• Began an online custom design, 3D printing, and CNC laser etching service.

Therma-Tru Doors, Maumee, Ohio

R&D Engineering Co-op

• Developed test methods to understand root causes of door system failures.

• Maintained and supported 3D printer prototyping for various projects.

Process Engineering Co-op

• Improved several processes by incorporating new designs, functions, or job roles.

• Modeled, drafted, completed time studies, and analyzed data.

Platform Engineering Co-op

• Collaborated on various projects to evaluate, improve, test, and implement new ideas.

• Modeled, drafted, and manipulated data.

• Student Member of American Society of Mechanical Engineers.

Competed in a Swarm and Search AI Development Challenge using Python at Dayton AFRL

• Designed a self-balancing, obstacle avoiding robot from scratch using an Arduino microcontroller, 6 axis IMU, wheel odometry, and laser range finder.

• Designed a wood stove PID temperature controller over wifi.

• Designed and built a "Onewheel" from scratch with custom software on an Arduino microcontroller.

> Personal Website and Project Portfolio: https://nespotts.github.io/Personal-Website/