OSHAN WIJESOORIYA
ELECTRICAL ENGINEER

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ADDRESS:
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EDUCATION
NORTHERN ARIZONA UNIVERSITY
GPA:3.0
Flagstaff, AZ
B.S. Electrical Engineering, Computer Science Minor
(Expected graduation May 2020)

Awards & Honors
Presidential Scholarship

Extracurricular Activities
American Society of Mechanical Engineers

ADDITIONAL SKILLS
AutoCAD
AutoCAD Electrical
Google Sketch Up
Adobe suite
Matlab Image processing
Python
C++
Multisim
Pspice
SQL databases
Android Studio
12,470V, 480V, 208V Infrastructure
Watt-stopper & Lutron Lighting Systems
Arduino, Raspberry Pi, MSP430 & Motorola 68K controllers

LICENSES AND CERTIFICATIONS
- OSHA Arc Flash Training
- OSHA Confined Space Training

CAREER OBJECTIVE
Electrical Engineering major with a computer Science minor (3.0 GPA) currently attending Northern Arizona University, with 2 years of work experience **in industrial electrical systems & High voltage infrastructure**. Prior experience with **Robotics**. Diverse set of skills ranging from **Mechanical to Computer Science.**

PROFESSIONAL EXPERIENCE

Assistant Electrician
Northern Arizona University - Electrical Department, Flagstaff, AZ
Aug 2018 – Present
- *Working with qualified electricians on industrial electrical systems. Troubleshooting, installing, maintaining **277V, 480V and 12,470V** power systems. Performing **infrared imaging studies on high voltage infrastructure** Installing programmable lightning controllers (Lutron & Wattstopper), troubleshooting/installing **CTs, PTs and VFDs.***

Project Coordinator
Northern Arizona University - Project Design and Construction , Flagstaff, AZ / Apr 2018 – Aug 2018
- *Inspecting job sites, communicating & escorting contractors, Printing Plan Sets, Organizing Plan set reviews & Filling permitting applications, Processing **Submittals & RFIs, Building GIS***

Projects

- **Capstone project -** Building a **wild fire detection drone** by implementing a software defined radio for standalone communication and an image processing algorithm that can use visible/infrared light images to detect wild fires at their infancy. (**Present)**
- Completed designed and programmed the electronics for a **Bluetooth control Omni wheeled robot** for **ASME** (American society of Mechanical engineers) (**2019 – Spring**)
- **Fully rebuild and tuned a Mazda 2.3 MZR turbo Engine** with a yield up to 310Hp (**2018 – Fall)**
- Designed and Built a **4 DOF Industrial Robotic Arm Prototype** (**2018 – Spring)**
- Designed and Built **a 6' by 4' (Computer Numeric Control) 3-axis wood router** (**2016 – Summer**)
- Designed and Built **Arduino Based obstacle course navigating robot** (**2016 – Summer**)
- Designed and Built **Arduino Based (PID control) Line following Robot** (**2015 – Summer**)