Noah Asherbranner B.S.E.
noaha.tech
noah@noaha.tech
(628) 999-5464

Skills

Programming:

- ➢ HTML5/CSS
  - ○ 11 years
- ➢ Javascript
  - ○ 11 years
- ➢ Java
  - ○ 10 years
- ➢ LabView
  - ○ 9 years
- ➢ C, C++, C#
  - ○ 9 years
- ➢ Swift
  - ○ 6 years
- ➢ Python
  - ○ 6 years
- ➢ MATLAB
  - ○ 5 years

Design:

- ➢ Electrical:
  - ○ Multisim
  - ○ Cadence
  - ○ Altium
  - ○ OrCAD
  - ○ Eagle PCB
- ➢ Mechanical:
  - ○ AutoCAD
  - ○ Inventor
  - ○ SolidWorks
- ➢ Schematics:
  - ○ Flow Diagrams
  - ○ Panel Schedules
  - ○ Block Diagrams
  - ○ Logical Flow
  - ○ Weld Instruction
  - ○ Blueprints

Other Skills:

- ➢ Microsoft Office
- ➢ Microsoft Power Tools
  - ○ BI
  - ○ Automate
  - ○ VBA
- ➢ Technical Writing
- ➢ EV Design
- ➢ Autonomous Programming
- ➢ Machine Learning
- ➢ Windows Server
- ➢ Team Player
- ➢ Quick Learner
- ➢ Brainstormer

Employment History

Self-Employed Computer Technician/Developer   **08/2012 - Present**

- ➢ General Computer Repair (PC Cleanup, Virus Removal, Data Migration, Upgrades)
- ➢ Business IT (Configuration of Business Computers/Network, Device Setup, Debugging)
- ➢ Web Design (Multi-Industry Web Portfolio, >500 visits/month, >$1,000 rev. gen/month)
- ➢ Process Improvement Simulation (>$300,000 Annual Savings,99% winter cost reduction)
- ➢ Extensive iOS, Android, Linux, Windows, and MacOS Experience
- ➢ Built or repaired upwards of 150 computers

Engineering Intern at Daikin Applied - Phoenix **01/2022 - 08/2022**
  - ➢ Taking dimensions from large solid works assemblies to assist production
  - ➢ Researching tools and equipment to aid in manufacturing process
  - ➢ Developing Capital Expenditure Report for manufacturing equipment
  - ➢ Planning & Designing CAD models of and for training facility
  - ➢ Inspecting projects and issuing "red tags" which are issues that need fixed.
  - ➢ Taking weights of projects before shipping
  - ➢ Participating in high-detail design reviews
  - ➢ Other roles include CAD Modeling, Power BI Dashboards, and Python Tools

Tutor at Sylvan Learning Center **11/2019 - 03/2020**
  - ➢ Advanced Math Tutor & SAT/ACT Prep
  - ➢ Robotics Program Designer and Teacher
  - ➢ K-12 All Subjects Tutor

Education History

Arizona State University **08/2018 - 05/2023**
Engineering (Robotics) B.S.E Cum. GPA: 3.32

Notable Coursework

Math & Sciences
  - ➢ Calculus 1, 2, & 3
  - ➢ Differential Equations
  - ➢ Physics: Vector Mechanics/Vibrations
  - ➢ Applied Linear Algebra
  - ➢ Engineering Statistics
  - ➢ Chemistry 1&2

Engineering Theory
  - ➢ Engineering Mechanics
  - ➢ Materials and Manufacturing Process
  - ➢ Electrical Fundamentals
  - ➢ Design of Electrical Systems
  - ➢ Analog-Digital Interface
  - ➢ Computational Modeling Engineering Systems
  - ➢ Transforms & Systems Modeling (PID Controls)

Project - Based Engineering
  - ➢ Professional Design Project (Capstone)
  - ➢ Embedded Systems Design Project 1&2
  - ➢ Robotics Systems 1&2
  - ➢ Use-Inspired Design Project 1&2
  - ➢ PLTW Engineering Pathway (Grades 9-12)

Clubs, Mentorship, & Awards

  - ➢ Grand Terrace High School-Robotics Club 08/2013 - 05/2018
    - ○ *President* *08/2016 - 05/2018*
  - ➢ Colton Joint Unified School District Robotics Club 08/2013 - 05/2018
    - ○ *President* *01/2016 - 05/2018*
    - ○ *Team Captain* *09/2015 - 05/2018*
    - ○ *Robotics Summer Camp Organizer* *06/2015 - 05/2018*

Robotics Team Mentor (FIRST) 08/2016 - 03/2020
CA 47th District 30 Under 30 Award Recipient **08/2018**