

# Iain Pettit

| (602) 617-6688 | [imp52@nau.edu](mailto:imp52@nau.edu) | [www.linkedin.com/in/iain-pettit](http://www.linkedin.com/in/iain-pettit) |

## Qualification Summary

---

- 6+ years of engineering related work ranging from material testing to aircraft design competitions.
- Self-motivated worker who embraces responsibility for all aspects of life and is passionate about all disciplines of engineering.
- Extensive work with MATLAB, Solidworks, Excel, and PowerPoint software.
- Affective at motivating and leading others.

## Relevant Work Experience

---

May 2022 – August 2022

**Speedie & Associates, LLC** – Phoenix, Arizona

*Field Material Engineer Intern*

- Performed contracted geoenvironmental work for over 50 different Phoenix construction sites.
- Recorded measurements of soil compaction and moisture levels in engineered materials
- Supervised and provided measurements, and improvement suggestions for large building caisson foundations at ASU and the Mayo Clinic.
- Provided “Pad” certifications for building foundations.
- Sampled and analyzed concrete to provide expected load bearing capacities to general contractors.
- Communicated a pass or fail grade to superintendents and general contractors, and relayed information to employer.

August 2022 - Present

**2023 SAE Aero Design Competition** – Northern Arizona University

*Project Manager*

- Tasked with designing and manufacturing an electric fixed-wing aircraft for the 2023 NAU Team.
- Managing a team of six as well as contributing to all aspects of the engineering design process.
- Assisting heavily in conception generation, website development, manufacturing, and CAD design.
- Holds responsibility for the communication between the team, material suppliers, and our stakeholders/client.
- Sets goals and deadlines for the team to ensure we are competition ready.

## Other Work Experience

---

May 2021 – December 2021

**Fox Concepts Restaurants, Culinary Dropout** – Phoenix, Arizona

*Liquor Inventory Supervisor*

- In charge of inputting liquor orders into inventory management app for a multi-million-dollar company.
- Communicated with management to ensure proper stocking of each type of liquor.
- Conveyed requests from guests to either bartenders or management.

November 2018 – April 2019

**Arizona First Robotics Highschool Team 6530** – Phoenix, Arizona

*Lead CAD Engineer*

- Designated to lead the team to design a full Solidworks model of a robot design for the 2019 First Robotics Competition.
- Modeled and 3D-printed camera mounts, gearbox covers, wheel wells, and structure joints.
- Awarded Arizona First Robotics – Imagerv Award.

## SKILLS/ACCOLADES

---

- SAE Vice President
- ASME Member
- W.L. Gore E2TR competition – Most Innovative Design
- Proficient in Solidworks, Fusion 360, Excel, Word, Powerpoint,
- Efficient with MATLAB
- Collaborator
- Easily Teachable