

Chukwuzulum Nwizu

Industrial Designer | Product Development Engineer

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[Design Portfolio](#)

PROFESSIONAL SUMMARY

Highly motivated and detail-oriented industrial design graduate with 2+ years of experience in product development, CAD modeling, and prototyping. Eager to leverage proven design skills and technical expertise in a creative and collaborative environment to help drive innovation and meet business goals.

SKILLS

Business:

Team Leadership | Employee Coaching | Process Optimization | Customer Engagement | Brand Development

Technology:

3D printing | CNC | Hand Sewing | Laser Cutting | Rapid Prototyping | Sewing Machine | Soldering

Software:

Ansys | AutoCAD | Figma | Fusion 360 | HTML | Illustrator | Indesign | Javascript | KeyShot | Microsoft Suite | Photoshop | Premier Pro | Procreate | Rhino | SolidWorks

PROFESSIONAL EXPERIENCE

Jupiter Research | Product Development Engineer Jr

Phoenix, AZ | **Feb, 2023 – Oct, 2024**

- Directed the production of sketches, CAD models, and prototypes for cartridges, mouthpieces, batteries, and all-in-one devices according to client requests.
- Led the development of detailed engineering drawings for existing platforms.
- Executed the creation of engineering specification documents from factory specifications.
- Conducted laboratory testing following written procedures, and led the analysis and interpretation of results.
- Reviewed existing 3D models to ensure completeness and accuracy.
- Converted 3D step files to editable 3D models in SolidWorks for design modifications.

SolarSPELL | Industrial Designer Intern

Tempe, AZ | **Aug, 2021 – Dec, 2021**

- Spearheaded the design and development of a functional soil sensor prototype.
- 3D-printed multiple prototypes to explore design iterations.
- Interviewed potential users to gather input on their needs and preferences.
- Presented weekly research findings and ideation sketches to cross-functional departments.

- Participated in team meetings to gain insights into ongoing challenges and contribute to collaborative problem-solving.

Hash Kitchen | Bartender

Scottsdale, AZ | **Sep, 2021 – Nov, 2022**

- Prepared and served drinks to restaurant and bar top patrons focused on customer satisfaction.
- Researched and created new drinks to be added to the bar menu.
- Engaged with patrons and customers to create a fun and exciting experience.
- Ensured the bar was always properly stocked with the freshest items.

EDUCATION

Bachelor of Science (B.S.) | Industrial Design

Tempe, AZ | **2018 – 2022**

- GPA: 3.4
- Awards & Honors:
 - Dean's List (Spring 2020 and 2022, Fall 2021)
 - ASU Design Excellence Winner (Spring 2020 & Spring 2022)
 - ASU Design Excellence Nominee (Fall 2019)

REFERENCES

Jordan Walker | Sr. Director Engineering at Jupiter Research | (570) 878-7360 | Jordan@jupiterresearch.com

Bruce Baikie | Co-Founder and Tech Advisor at SolarSPELL | (415) 518-9590 | bbaikie@asu.edu

Jeff Domenighini | Product Development Engineer Sr. at Jupiter Research | (831) 594-5140