

Davis ‘Spencer’ Owen, E.I.T.

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SUMMARY

Solutions driven Manufacturing Project Engineer with Active SECRET clearance.

Distinctive blend of hands-on experience, technical capability, and interpersonal skills through comprehensive work experience. Passionate problem solver who demonstrated technical leadership and project management skills while directing the production of USN submarine assemblies at General Atomics. Leveraged firm grasp of engineering and manufacturing first principles to minimize defects through root cause and corrective action analyses. Facilitated close collaboration with both customers and suppliers, aided by strong communication skills developed in high-end hospitality.

AREAS OF EXPERTISE

Technical Project Management
Engineering Design, GD&T
Continuous Improvement
Root Cause, Corrective Action

Design For Manufacturing & Assembly
Precision Machining, EDM, VTL, 5-Axis
Bill of Materials Development
PCB EDA

Process Development
Supply Chain Management
Nondestructive Testing
Tooling Design

PROFESSIONAL EXPERIENCE

Manufacturing Project Engineer I, II (Active SECRET Clearance)

May 2023 - Present

General Atomics Electromagnetic Systems, Rancho Bernardo, CA

- Promoted from Engineer I leading a \$3M project to Engineer II leading an \$18M project.
- Project Technical Lead of cross-functional teams in the design and production of critical submarine assemblies, precisely balancing process efficiency and compliance with exacting NAVSEA and Electric Boat requirements.
- Successfully delivered multi-year, first-time builds through proposal, design, procurement, machining, assembly, non-destructive testing, and functional validation.
- Prevented nonconformances using root cause/corrective action analysis, mistake-proofing, and process improvement.
- Developed, presented, implemented, and continuously improved production strategies, process plans, and detailed work instructions for 1,000+ component assemblies.
- Designed purpose-built fixtures to achieve critical machining and assembly tolerances.
- Authored and presented competitive proposals, resulting in new contracts for the company.

Manufacturing Engineering Internship

January - May 2023

GKN Aerospace, El Cajon, CA

- Produced CAD models, instruction, and drawings using Siemens NX to support advanced metal fabrication.

Lab Research Assistant

June 2022 – June 2023

NanoFAB.SDSU, San Diego, CA

- Led the research, design, and procurement of a PCB Vagus Nerve sense/stimulation device for Type II Diabetes.

EDUCATION

San Diego State University

Bachelor of Science
Mechanical Engineering

May 2023
Cum Laude

CERTIFICATIONS, AWARDS, ORGANIZATIONS, TRAINING

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|-----------------------------|---|------------------------|
| ✓ E.I.T Certification | ✓ Tau Beta Pi, Engineering Honors Society | ✓ SAP, mPEO |
| ✓ NX, SolidWorks, Ansys | ✓ USCD GD&T per ASME Y14.5 | ✓ MS Project, Excel |
| ✓ Python, Java, C, Assembly | ✓ Lean Six Sigma Yellow-Belt Certified | ✓ Eagle/Fusion PCB EDA |