

Austin Jones

Industrial Engineer

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STRENGTHS

- ⚙️ **Process Analysis**
Breaks assembly work into clear elements, then turns observations into practical changes. Teams gained steadier flow and cleaner execution.
- ⚖️ **Production Judgment**
Weighs functionality, cost, space, and schedule during equipment decisions. A careful trial often prevented a costly floor change.
- 🔧 **Troubleshooting**
Separates equipment, method, material, and workflow factors during difficult issues. Colleagues often sought help when evidence was unclear.
- 💡 **Technical Communication**
Turns complex findings into concise written updates and direct conversations. Operations leaders could act without sorting through excess detail.
- ✅ **NPI Readiness**
Keeps layout, tooling, documentation, and capacity needs visible before ramp. That early checklist made handoffs feel far less rushed.

SKILLS

Industrial Engineering

Electronic Manufacturing

Server Products Rack Products

NPI Sustaining Production

Process Improvement

Production Layout Design

Standard Processing Time

Time Studies Production Planning

Cost Estimation

Equipment Evaluation

SUMMARY

Industrial Engineer with six years of progressive experience improving electronic device manufacturing across server and rack products, NPI transitions, and **sustaining production**. Work centers on process analysis, **production layout design**, standard processing time development, equipment and fixture implementation, automation evaluation, and structured troubleshooting. Direct experience translating manufacturing constraints into practical changes that protect **product functionality**, **production efficiency**, cost performance, and schedule commitments. Leads time studies, capacity reviews, workstation design, root cause investigations, production trials, and manufacturing readiness activities. Communicates concise technical findings with production, quality, design, product engineering, and operations teams. Manages engineering milestones independently under narrow timelines, helping manufacturing teams make sound decisions and sustain reliable execution in fast paced electronics environments.

EXPERIENCE

Senior Industrial Engineer

Silicon Ridge Hardware Solutions 📅 March 2024 - Present 📍 Santa Clara, CA

Leads **industrial engineering** support for server and rack manufacturing across NPI transitions and sustaining production. Owns process analysis, standard time development, layout decisions, tooling evaluations, **troubleshooting**, and readiness milestones. Partners with production, quality, product engineering, and operations teams to resolve constraints before volume ramp and protect reliable execution.

- Improved server assembly flow through sequence analysis, workstation review, and material movement studies.
- Established validated processing times supporting **production planning**, staffing decisions, and **cost estimation** accuracy.
- Introduced fixture and **automation** trials using acceptance criteria, operator feedback, and documented production results.
- Resolved recurring rack production constraints through data collection, fault isolation, and cross functional review.
- Coordinated **NPI** readiness milestones, closing layout, tooling, documentation, and capacity gaps before ramp.
- Presented concise engineering recommendations that helped operations choose practical production solutions under narrow timelines.

Industrial Engineer

Bayview Electronics Manufacturing 📅 July 2022 - February 2024 📍 Fremont, CA

Supported sustaining production for electronic assemblies and rack level hardware through process analysis, layout redesign, time study work, fixture trials, and issue investigation. Managed several improvement assignments under narrow deadlines while giving operations leaders clear technical updates and actionable recommendations.

- Redesigned electronic assembly layouts around material paths, operator access, equipment footprints, and sequence needs.
- Refined standard times through work content studies, giving planning teams stronger staffing and cost assumptions.
- Trialed production **fixtures** with operators, comparing usability, repeatability, and manufacturing results before deployment.
- Separated **equipment**, method, material, and workflow factors during investigations of recurring production issues.
- Delivered layout drawings and transition plans that helped teams implement changes with fewer floor disruptions.

Tooling and Fixtures

Root Cause Analysis

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Senior Industrial Engineer at Silicon Ridge Hardware Solutions (2.5 Years)

● Industrial Engineer at Bayview Electronics Manufacturing (1.6 Years)

● Manufacturing Engineering Associate at Peninsula Compute Products (1.7 Years)

- Managed concurrent improvement assignments, presenting concise findings that supported timely operations decisions.

Manufacturing Engineering Associate

Peninsula Compute Products 📅 October 2020 - June 2022 📍 Sunnyvale, CA

Supported industrial and manufacturing engineering activities for electronic device assembly under experienced engineering review. Contributed cycle time analysis, floor layout updates, fixture evaluations, process troubleshooting, documentation control, and milestone tracking for sustaining improvements and product introductions.

- Mapped electronic assembly steps and cycle times, establishing baseline work content for balancing discussions.
- Updated floor layouts with **equipment** placement, operator movement, material presentation, and flow requirements.
- Prepared fixture evaluation records, capturing trial observations against defined manufacturing requirements.
- Investigated assigned process problems through direct observation, data review, and controlled production checks.
- Maintained process documents and milestone trackers that supported reliable sustaining and NPI execution.
- Presented troubleshooting findings to senior engineers, helping shape corrective action decisions for production issues.

PROJECTS

Server Rack Flow Improvement 📅 2024

Improved manufacturing flow for server and rack products by reviewing assembly sequence, workstation constraints, material movement, and production layout needs. Created practical changes supporting repeatability, space use, and reliable NPI ramp execution.

Standard Time Validation Program 📅 2023

Built validated processing time inputs through direct observation, work element analysis, and production review. Results supported planning, staffing, scheduling, and cost estimation decisions across electronic assembly operations.

LEADERSHIP & AWARDS

- Recognized by operations leadership for dependable engineering support during server and rack NPI readiness activities.
- Received team recognition for practical troubleshooting that converted recurring production constraints into sustainable process corrections.
- Selected for expanded engineering ownership after consistent delivery of layout, tooling, and standard time assignments.

EDUCATION

Bachelor's Degree in Industrial Engineering

San Jose State University 🎓 GPA: 3.5 📅 2020 📍 San Jose, CA

Coursework: Manufacturing systems, process improvement, facilities planning, operations research

CERTIFICATIONS

- Lean Six Sigma Green Belt 📅 2026
- Industrial Engineering Professional Development 📅 2025

TECHNICAL SKILLS

- **Manufacturing Methods:** Process analysis, continuous improvement, standard work
- **Electronic Products:** Electronic devices, server products, rack products
- **Production Planning:** Standard times, capacity analysis, cost estimation
- **Layout Engineering:** Production layouts, workstation design, space planning
- **Time Study Methods:** Direct observation, work element analysis, cycle time studies

- **Equipment and Tooling:** Equipment evaluation, fixtures, production tools
- **Automation Evaluation:** Automation trials, acceptance criteria, production validation
- **NPI and Sustaining:** NPI readiness, sustaining production, volume ramp
- **Problem Solving:** Root cause analysis, fault isolation, corrective action
- **Technical Communication:** Engineering reports, written updates, verbal presentations

PROFESSIONAL AFFILIATIONS

- Industrial and Systems Engineering professional community participant, sharing manufacturing improvement practices with peers.
- Lean manufacturing study group participant, exchanging methods for standard work, time studies, and process analysis.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST