

CONTACT

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(774) 994 0731
Merrimack, NH

SKILLS

- Mech. Design Engineering
- Should Cost Modeling
- Manufacturing (Elec & Mech)
- SaaS & IIoT Fluency
- Technical Demo Delivery

SOFTWARE EXPERTISE

- SolidWorks
- NX
- ProEngineer (Creo)
- Windchill PDM/PLM
- aPriori

PRIOR EXPERIENCE WITH

- HTML/CSS
- JavaScript
- Python
- Ruby
- SQL

EDUCATION

Rensselaer Polytechnic Institute
B.S. Mechanical Engineering
2014

CERTIFICATES

ASME GD&T Technologist Level

Samuel Ellis

SOLUTIONS ENGINEER

EXPERIENCE

SENIOR SOLUTIONS ENGINEER APRIORI TECHNOLOGIES

Apr 2021 – Present

- Solutions Engineer of the Year FY23 (>\$1 million ARR New Business wins)
- Recorded, edited & published over 20 demo videos for marketing
Customized demos / presentations to address prospective client's business needs. Worked directly with sales team to manage technical details associated with the aPriori solution. Led consultative solution sessions with prospects in initial meeting, demo, and follow-up phases. Provided feedback and aided in improvement of electrical cost models (PCBA & Wire Harness)

ENGINEERING GROUP LEAD MICROSS COMPONENTS

Jul 2020 – Apr 2021 *[Micross acquired Corfin in Jul 2020]*

- Assigned tasks & determined priorities for a group of 7 engineers
- Provided engineering approval for all new quotes / new business
Led the design, RFQ process, and implementation of a new OEE management system. Wrote and presented qualification plans for new products / exchange of business. Managed the design and deployment of new tooling fixtures. Managed production efficiency improvement initiatives.

SENIOR MECHANICAL ENGINEER CORFIN INDUSTRIES

Apr 2019 – Jul 2020

- Designed, built, & implemented a drawing review procedure
- Implemented a Kanban task management system for Engineering Team
Designed custom processing fixtures using aluminum, titanium, and stainless steel. Programmed Pick & Place machines and led training for operators and technicians. Supported manufacturing & resolved line down scenarios.

MECHANICAL ENGINEER RAYTHEON

Apr 2015 – Apr 2019

- Led cross functional team for one aspect of a complete system redesign
- Led mechanical field support for upgrades and inspections for >5 customers
Provided manufacturing floor support for mechanical issues on various subassemblies. Analyzed DFM/DFA for the mechanical design on CCAs and electronics housings. Supported design proofing with tolerance analyses, material / hardware compatibility, and cost analysis. Wrote white papers to detail existing issues and proposed solutions to maintain production schedule.