

## Contact

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(LinkedIn)

## Top Skills

Leadership  
Computer Science  
Management

## Languages

Spanish (Elementary)

## Certifications

Entry Level R  
COMPTIA A+  
Intro to Statistics with R  
J-STD-001  
Introduction to R

## Honors-Awards

Dean's List

# Scott Ruiter

Applications Specialist at Universal Instruments Corporation  
Binghamton

## Summary

I am computer scientist with 9 years of SMT & THT Process Engineering experience. I am data driven, and business oriented. My manufacturing experience is based on improving quality, extending profitability, and supervising/maintaining daily processes within the electronics manufacturing industry.

I have demonstrated abilities to design for manufacturability/ flexibility, and implement class standards. I am an excellent resource for ISO practices & IPC manufacturing standards and I am currently J-STD-001 Certified (CIS).

I have been leading and optimizing for 9 years and have launched SMT processes through multiple generations of automation equipment intergrating with purchasing, engineering, and production bringing concept to life.

Quick turning so many products, I have gained a proficient understanding of solder paste jet/print setup, CAD PCB registration, component vision system programming, SMT & THT programming, and wave/selective/reflow profiling.

My computer science degree drove me into machine learning and computer vision. I have been designing and writting software for 12 years. C#, Python, C++, whatever is needed to solve the manufacturing business problems.

My broad technical skill set and hands on manufacturing experience , makes me an valuable asset for any electronics automation manufacturing facility.

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## Experience

Universal Instruments Corporation

## Application Specialist

November 2018 - Present (3 years 3 months)

Conklin, New York

## Rlab Development

Founder

October 2014 - Present (7 years 4 months)

Greater Grand Rapids, Michigan Area

I lead a distributed mining team to leverage our knowledge on building optimal solutions within highly dynamic manufacturing datasets. Our research has proven to maintain and enhance company processes with the goal of improving profits, operational functionality, and program forecasting in line with customer requirements.

## Ram Electronics Inc.

5 years 4 months

SMT / THT Equipment & Process Leader

January 2017 - September 2018 (1 year 9 months)

### PROVEN EXPERTISE

- Electronics Manufacturing Processes
  - Process Engineering & QA Management
  - R&D for Manufacturability
  - High Mix/Mass Manufacturing
  - SMT & THT Technician and Maintenance
  - Advanced Process Programming
  - Cost Controls / Scrap Reduction
  - Software Development/ Data Analysis
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- Reconfigured process/material flow to improve program change over, reduced material waste through production run data analysis and precise computer vision programming with proper tolerances which reduce rework throughout the product's life cycle.
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- Upheld and engineered software updates for quality standards that maintained ISO 9001 certifications, J-STD-001 Class 2 & Class 3 PCBA, and DFMEA.
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- Provided engineering and programming for dozens of NPI, handling all phases of SMT & THT manufacturing from PPAP into process optimization

(placement routing) through production launch and fine tuning AI routing with learned routing patterns with UPS+ software.

- Outlined SMT & THT Engineering Design Criteria to support company process capabilities.
- Managed print, place, and reflow process engineering, quick turn prototype building, product flow/change over, production quality/test audits, and production scheduling handling all daily operations in a low to medium volume, high mix, quick turn SMT & THT production environment.
- Extensive knowledge of fully automated pick-and-place machines, reflow oven profile, solder paste equipment, and platform tooling design experience.
- Over 4 years of machine preventative maintenance and field engineer repair activities, minimizing repair escalation to equipment manufacture keeping costs down, and maximizing machine uptime.
- Expansive knowledge in software development, system networking, and data mining. Exported company financials and migrated company data into Quickbooks Enterprise 2016.

### SMT Equipment Leader / Programmer

June 2013 - September 2018 (5 years 4 months)

Fruitport, MI

- o Oversee all SMD processes and equipment.
- o Familiar with DFMEA, and comply with IPC-A-610, J-STD-001 (CIS) certified
- o SMD Technology programming, preventive maintenance and repair.
- o Experience with Machine Learning and Computer vision systems.
- o Project management and production scheduling.
- o Developed applications for heuristic production scheduling, inventory forecasting, and financial modeling.
- o Familiar with ISO 9001, ISO 19011, ISO 32000.
- o Developed data models and data-lake for business analytics.
- o Configured and Deployed Quickbooks 2016 Enterprise Manufacturing Wholesale ERP system.
- o Provide core infrastructure administration for Windows Sever Environment, SQL Server, IIS, AD, and OSAS.

### Grand Theatre

## Chef

April 2012 - August 2013 (1 year 5 months)

Grand Haven, MI

I participated in all BOH aspects of the company when and where I was needed. I was the Executive Chef's go to guy. I stepped down from my previous management position to focus on finishing my CS degree. I helped clean up the POS database and bring a object oriented structure to the database for easier management.

I lead and supervised team members during food service and preparation in the back hot line kitchens. During the months of June to September, the company would gross \$3 million in food revenue during the peak tourist season. Customer service is a high priority, and I was a major part ensuring food was prep for service, cooked to standards, and served to health code. I didn't get to meet my customers own my food did, so I required the highest standards of my team mates

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## Education

Baker College Center for Graduate Studies

Bachelor's Degree, Computer Science · (2010 - 2013)

Baker College of Muskegon

Associate's degree, Business, Management, Marketing, and Related Support Services · (2002 - 2006)