

# Richard H. Schuster

---

1346 NW 210<sup>th</sup> Ln  
Beaverton, OR  
97006

rich@richschuster.com  
424-225-2159  
USA citizen

---

## *Summary*

Applications Engineer supporting KLA's overlay tools with a diverse background providing strong customer skills and robust troubleshooting capability

---

## *Experience*

### **KLA-Tencor**

*Applications Engineer*

Hillsboro, OR

2016 – Present

Chandler, AZ

2013 – 2016

- Provide applications support Archer overlay metrology system at customer site
- Coordinates with customer, local team, and manufacturing to resolve issues and develop next generation tool
- Engaged with customers at multiple locations throughout the USA
- Use JMP, Excel, and Python for statistical analysis, typically evaluating deviations in tool health and measurement

---

## *Education*

### **Oakland University**

Rochester, MI

May 2013

- M.S. in mechanical engineering
- Thesis studied the removal of water from PEM fuel cells
- Additional fuel cell research during NSF International Research Experience at Jiaotong University in Beijing, CN

### **University of Michigan**

Ann Arbor, MI

May 2010

- B.S.E in chemical engineering
- Senior design project modeled a facility to produce hydrazine
- Study abroad at Macquarie University in Sydney, AUS

---

## *Previous Employment*

A123 Systems

*Internship*

- Performed abuse testing of lithium ion battery modules for automotive applications
- Reviewed in-line manufacturing quality control results

Cobasys

*Internship*

- Constructed prototype battery systems for hybrid vehicles
- Performed warranty tear down on defective packs

Siemens VDO Automotive

*Technician*

- Ran heat and vibrations testing on automotive electrical components

---

## *Activities & Skills*

Schuster Mechanical

- Small family business providing precision machining and design
- Primary product is test fixtures for automotive component reliability testing
- Skills used: CNC milling, metal lathe turning, water jet operation, CAD/CAM using Autodesk Fusion 360, customer engagement

RichSchuster.com

- System administrator for personal website
- Self hosted on Linux using Docker, Python scripts, and Grav CMS