

# Richard H. Schuster

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USA citizen

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## Summary

Applications Engineer with 6 years of experience supporting KLA metrology tools. Cultivates strong customer relationship through innovative troubleshooting and ensuring rapid time to results. Experience outside semiconductors provides insight into other industries

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## Experience

### KLA

*Applications Engineer*  
Hillsboro, OR  
2016 – Present  
Chandler, AZ  
2013 – 2016

- Provide applications support Archer overlay metrology system at customer site
- Coordinate with customer, local team, and manufacturing to resolve issues and develop next generation tool
- Support customers at multiple locations around the world
- Use JMP and Excel for statistical analysis such as identifying deviations in tool health or measurement

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## Education

**Oakland University**  
Rochester, MI

- 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
- President of OU's chapter of the International Association for Hydrogen Energy and led development of a fuel cell golf cart

**University of Michigan**  
Ann Arbor, MI

- B.S.E in chemical engineering
- Study abroad at Macquarie University in Sydney, AUS

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## Previous Employment

A123 Systems  
*Internship*

- Performed abuse testing of automotive lithium ion battery modules
- Reviewed in-line manufacturing quality control results
- Released technical drawings using Pro/ENGINEER

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

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## Activities & Skills

Schuster Mechanical

- Family business providing precision machining and design
- Main customer is automotive component test fixtures
- Skills used: CNC milling, metal lathe turning, water jet operation, CAD/CAM using Autodesk Fusion 360, 3D printing

RichSchuster.com

- System administrator for personal website
- Self hosted on Linux using Docker Containers and Python scripts