

CHRIS CZOPINSKI

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EDUCATION

University of Minnesota, College of Science and Engineering, Minneapolis, MN
Graduated May 2017 with **Bachelor of Chemical Engineering and Chemistry B.S.**
Fluent in English, Polish

INDUSTRY EXPERIENCE

Minco Products Inc. – Process Engineer *Fridley, MN*
May 2017 - present

- ❖ Acted as primary support for electroless and electrolytic metal plating & finishing processes.
- ❖ Led efforts to adjust prices on high volume outsourcing to increase revenue by 50k annually.
- ❖ Identified and put controls on processes to prevent root causes of product line scrap.
- ❖ Led efforts to implement deionized water system sanitation protocol.
- ❖ Assisted qualification efforts for a high capital cost batch-cleaner for PCBA flux residue cleaning.
- ❖ Delegated engineering instructions to team of production operators, technicians, and interns.
- ❖ Programmed data collection & data validation Excel macros.
- ❖ Created and trained production supervisors to a Foreign Object Damage Prevention procedure.
- ❖ Coordinated company-wide selection of process equipment for continuity planning.
- ❖ Addressed internal company and customer audit findings per NCRs.

Process Engineering Intern
June 2014 - May 2017

- ❖ Facilitated installation of new automated ENIG line and relevant chemistry.
- ❖ Developed new plating process specifications and mathematical models for rigid flex products.
- ❖ Led root cause analysis for solder reflow oven and vapor degreasing process residue issue.
- ❖ Assisted with installation qualifications and traceability of plating laboratory move.
- ❖ Optimized 30+ chemical baths using analytical procedures on a daily/weekly basis.
- ❖ Computed chemical bath plating efficiencies for recipe revision.
- ❖ Documented standard process instructions and control plans for over 10 different processes.

RESEARCH

UMN Undergraduate Research Opportunities Program *Minneapolis, MN*
Spring 2014 {100 hours}

- ❖ Primed catalyst bed for reaction and ran steady-state experiments
- ❖ Analyzed run data attained through gas chromatography and mass spectrometry
- ❖ Trained in all DEHS lab safety and GHS protocol

Co-Authored Publication:

“Ethanol Dehydration and Dehydrogenation on γ -Al₂O₃: Mechanism of Acetaldehyde Formation”
ACS Catal., 2014, 4 (12), pp 4425–4433

SKILLS

Lab – Atomic absorption spectroscopy, cyclic voltammetry, colorimetry, bench top titration.

Design of experiments – Minitab

Microsoft Office – Outlook, Word, Excel, Powerpoint, Project

IFS – Enterprise software

Programming languages- Visual Basic