

BEN DIBUZ

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EDUCATION

University of Illinois at Urbana-Champaign

August 2018

- Bachelor of Science in Mechanical Engineering

PROFESSIONAL EXPERIENCE

SCC, Inc.

Elk Grove Village, IL

Engineer

June 2019 – Present

- Providing customers with situational problem-solving guidance on combustion control components in over 1,000 tech support cases
- Building and managing a SQL-based relational database to manage returns data and automate several daily communication tasks, reducing time to process a return by 50% and greatly reducing erroneous data
- Writing technical literature and applications guides for various components and combustion control systems
- Designing and developing tooling for manufacturing of combustion control components

Ben & Ben Co.

Chicago, IL

Co-Founder

August 2020 – Present

- Co-founded a hot sauce company, selling hot sauces online and at local farmers markets and netting over \$10,000 revenue in the first year
- Applied engineering and data analysis skills to identify and address manufacturing & supply chain issues
- Worked with co-founder to fulfill compliance with federal, state, and local governance for packaged food production
- Designed and procured all marketing & labeling materials and ran marketing and wholesale campaigns to get product into a local grocery store and a restaurant

Abrasive-Form

Bloomington, IL

Product/Tooling Engineer

July 2018 – June 2019

- Developed manufacturing processes and tooling for industrial and aerospace turbine blades
- Designed fixtures and tooling optimized for cost, manufacturability, and ease of use by operator
- Managed new product introduction process and documented process development

Abrasive-Form

Bloomington, IL

Engineering Intern

June 2017 – August 2017, January 2018 – June 2018

- Built a transactional inventory relational database to track electrode consumption and trigger purchasing on low stock
- Learned concepts of lean manufacturing and industry practices through a hands-on mentorship program
- Streamlined shop processes and improved process consistency by creating visual standard work instructions

UIUC MechSE Department

Champaign, IL

Research Assistant

July 2016 – December 2016

- Designed CAD models and drawings of microchannel heat exchanger assemblies
- Researched and implemented assembly solutions for a high-pressure test system
- Collected and managed data on physical properties of assembly subsystems

SKILLS & TECHNOLOGIES

Inventor, Solidworks, Creo, Excel, SQL, Relational Database Design, MS Access, VBA, Python, Javascript, React, HTML, CSS