**BEN DIBUZ**

(847) 858-7030 ▪ ben.dibuz@gmail.com ▪

**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 direct problem-solving guidance on electro-mechanical 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
* Working to develop tools to explore relationships between Salesforce tech support case data, captured returns data and sales data
* Wrote technical literature and applications guides for various components and combustion control systems

**Abrasive-Form** Bloomingdale, 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 from beginning to end, including preparing RFQs, communicating with customers and vendors, and documenting process development

**Abrasive-Form** Bloomingdale, IL

*Engineering Intern June 2017 – August 2017, January 2018 – June 2018*

* Led modernization efforts to increase efficiency and quality metrics by building custom database applications for various departments in-house
* 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 Nuclear Physics Laboratory** Champaign, IL

*Research Assistant August 2017 – December 2017*

* Constructed precision assemblies of fiberoptic cable structures to capture and measure particle dispersion in the Brookhaven particle accelerator
* Optimized use of inventory to ensure availability of resources within limited budget
* Iteratively improved assembly components for tungsten-epoxy composite for fiber-optic assemblies

**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

**LEADERSHIP**

**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
* Worked with co-founder to fulfil compliance with federal, state, and local governance for packaged food production
* Designed all marketing & labeling materials and ran marketing and wholesale campaigns to get product into a local grocery store and a restaurant

**RELEVANT SKILLS & SOFTWARE**

Inventor, Solidworks, Excel, SQL, MS Access, Python, Javascript, React, HTML, CSS