

# Alexander Schneider

Full Stack Software Developer

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## Education

**Bachelor's Degree in Chemical Engineering (BCE)**  
Northeastern University, Boston, MA, 2019

**Coding Dojo**  
Python Stack 2021-2022

**General Studies**  
Monash University, Melbourne, Australia, 2017 – Followed by culture tour of SE Asia

## Technical Proficiencies

**Languages:** Python, Javascript (for DOM), MySQL,

**Frameworks:** HTML5, CSS, React, Flask, Django, Bootstrap

**Technologies & Concepts:** RESTful services (API's), OOP, Firebase, AWS (EC2), Unicorn, AJAX, Bcrypt

## Areas of Expertise

- Frontend/UI Design
- Backend/Database Development
- Research & Development
- Cross-functional Collaboration
- Regulatory Compliance
- Customer Relationships
- System & Process Optimization
- Equipment/Software Integration

## Career Experience

**Freelance Software Development Projects** **Current**  
Barrel Cru

A marketplace application where Distributors (Account Type I) may keep track of inventory, post new items for sale, and connect with potential customers. Customers (Account Type II) may browse inventory, request samples, and place orders on items that are for sale. Admin (Account Type III) can verify items posted for sale for authenticity.

- Built with Flask Framework (FE: HTML, CSS, JS - BE: Python, MySQL)
- Implementing Credit Card Processing with Stripe
- Image Upload/Storing with MySQL DB

**Saint Gobain, Bristol, RI** **2021**  
Process Engineer

Hold full oversight of production for entire Injection Molding department, integrating workflows and processes to attain industry standards, and meet customer requirements. Promote cross-functional collaboration with multiple teams to analyze systems and processes, identifying problems, ideating, searching, and agreeing on most efficient solutions. Steer transfer of engineering processes (Injection Molding & CNC Machining). Act as sole engineering representative on contract reviews, essential for production.

- Designed diverse plantwide workflows to best integrate legacy systems and components with advanced frozen process methodology, updating company standards.
- Upgraded and incorporated new supply chain systems, including macro-scale MRP logistics and routers, in addition to individual part source authority validation.
- Oversaw major migration of aerospace business from Ohio site to RI site, comprising MRP transfer, increasing efficiency, and regulatory compliance.

**IGUS Inc., Providence, RI** **2020**  
Inside Sales

Fulfilled varied scope in sales capacity, designing solutions for customers, leveraging wide-ranging technical proficiency and knowledge of diverse and iterative Dryline and Iglide product lines.

**Rogers Corporation, Burlington, MA** **2017 – 2018**  
Engineering Co-op

Partnered as part of Injection Molding R&D, devising consistent processes while grasping specified flow properties of ceramic-filled polymer blend, intended for 3D printing filament applications. Supported R&D, partnering within team to generate innovative iterations of existing materials. Gained in-depth knowledge of formula and process engineering.