

# MacColl Nicolson

[www.coderfoundry.com/maccollnicolson](http://www.coderfoundry.com/maccollnicolson)

## FRAMEWORKS & PROGRAMMING LANGUAGES

HTML5  
CSS3  
JavaScript/ES6  
jQuery  
Bootstrap  
.NET  
C#  
MVC  
ASP.NET  
SQL & Bash  
LINQ  
WebAPI

## EDUCATION

### Arizona State University

#### B.S. Technological Entrepreneurship and Management

Mesa, AZ · 2016

## PROFESSIONAL EXPERIENCE

### Coder Foundry, Web Software Engineer

Remote · September 2020 – December 2020

- Created two primary projects, including:
  1. A portfolio and blog site using C#, MVC, HTML5, CSS3, Bootstrap, JS & jQuery.
  2. Fully designed and developed a multi-functional issue tracker web application, implementing enhanced roles & security, including a Code-First relational database designed and modeled in PostgreSQL. Technologies used include: .Net Core v3.1, MVC6, C#, LINQ, PostgreSQL, Entity Framework, Docker, PgAdmin, Heroku and jQuery DataTables.

### Plastic Engineering, Production Control Specialist & Machinist

Tempe, AZ · May 2019- April 2020

- Analyzed, planned, and managed operations to improve runtimes.
- Monitored backlog using ECI M1 Shop Management software to adjust production schedules for timely delivery. Communicated and managed jobs with 3rd parties.
- Processed improvements for inventory, manufacturing, and production control systems to meet business objectives. Investigated production control problems, analyzed root causes, and derived solutions.
- Operated CNC router tables in the production and assembly of foreign object damage tool trays for aerospace assembly lines.

### ASU Engineering Department, Lab Assistant

Mesa, AZ · September 2017–May 2019

- Aided undergraduate engineering students with semester projects.
- Operated and maintained 3D printers for engineering courses.
- Developed and managed an inventory system tracking \$80K of engineering course materials.

**CODER**  
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# PROFESSIONAL EXPERIENCE (CONTINUED)

## **Dorm Docks LLC, Founder**

*Mesa, AZ · Jan 2016 - July 2019*

- Efforts cumulated in raising over \$6,000 through entrepreneurial pitch competition (eSeed Challenge).
- Managing e-commerce sales and customer requests.
- Developed product specifications from collecting user input and developing user case profiles.
- Designed MVP using CAD and rapid prototyping.
- Created marketing content, brand identity.
- Developed lean manufacturing CNC process for low-cost high-output operation.



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