

Michael Squillacioti, MBA, BS
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QUALIFICATIONS SUMMARY

Software developer with mechanical engineering and project management skills; dedicated to providing the highest quality development and system support. Driven attention to detail with a focus on solving challenging problems with emerging technologies.

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| ♦ Business Analytics | ♦ Company & Industry Analysis |
| ♦ Systems Optimization | ♦ Financial Analysis |
| ♦ Software Development | ♦ Presentation & Negotiation Skills |
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PROFESSIONAL EXPERIENCE

Project Manager Intern, ARCO/Murray Construction, Chicago, IL

April – May 2022

- Managed bidding process for the construction of a 5-story apartment complex in Huntsville, AL.
- Reduced construction order costs by over \$50k, by revising pre-existing buyout plans.
- Ensured bidders met and exceeded project requirements while staying within project budget.

Python Inventory Management System

September – November 2021

- Used Python to automate the analysis process and determine optimal quantities of materials to order, increasing profit by 30%.
- Designed a system to analyze previous orders and model future inventory requirements.

Blockchain Technology, The University of Alabama, Tuscaloosa, AL

May 2021 – July 2022

- Performed extensive research into cryptocurrency and blockchain technology.
- Developed and co-authored a research report and business case, regarding the future applications of blockchain technology in the business world. Publication discussions pending.

NASA Technology Repurposing – Acoustic Water Filtration System

September – December 2020

- Developed and executed a marketing plan by identifying potential customers for repurposed NASA technology. Demonstrated how integrating the system into current services could improve their life-saving capabilities.
- Determined that the most profitable industry to market towards would be semiconductor manufacturers, due to better cost/benefit.

TECHNICAL SKILLS

Languages: Python, MATLAB, HTML5, CSS, JavaScript, Java, React, Motoko
Programs & Tools: MS Office, git, Atom, VS Code, MongoDB, SolidWorks
Expertise: Software Development, Data Structures, Systems Optimization, Financial Analysis, Company & Industry Analysis, and Mechanical Product Development, Agile Methodology

EDUCATION AND TECHNICAL CERTIFICATE STUDY

North Carolina State University, Raleigh, NC January 2023 – Present
Certificate in Computer Programming
Coursework: Java, Software Development Fundamentals, Data Structures.

The London App Brewery - Udemy June 2022 – November 2022
Full-Stack Web Development Bootcamp
Coursework: HTML5, CSS, JavaScript, Bootstrap, jQuery, Node.js, APIs, Github, SQL, MongoDB, React.js, Blockchain

The University of Alabama, Tuscaloosa, AL January 2021 – December 2021
Master of Business Administration
Focused Areas of Study: Optimization and Python Programming
Coursework: Company & Industry Analysis, Python, Systems Optimization, Financial Analysis

The University of Alabama, Tuscaloosa, AL August 2016 – December 2020
Bachelor of Science in Mechanical Engineering
Coursework: Force/Heat/Fluid Analysis & Modeling, MATLAB, 3D Modeling, Product Development

HONORS AND ORGANIZATIONS

- ◆ MBA Association
- ◆ STEAM Club President
- ◆ BSA Leadership
- ◆ Habitat for Humanity
- ◆ Eagle Scout
- ◆ MENSA Member
- ◆ National Merit Finalist
- ◆ Make-a Wish