

HAMZA ERDOĞAN

Associate Mechanical Engineer

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📍 Bloomfield, CT

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WORK EXPERIENCE

Associate Mechanical Engineer Intern

Kamatics Corp.

📅 2020 - current

📍 Bloomfield, CT

- Produced over 210 accurate 2D drawings and 3D models of product/production drawings from layouts, sketches, or verbal instructions using Fusion360 and Keycreator
- Developed 153 sound and accurate estimates through coordination with engineering, procurement, and proposal managers
- Analyzed cost data for over 55 projects from catalogs, quotes, and purchase orders
- Administered 410+ company engineering standards documents and related reference materials
- Assisted in organizing and maintaining project records, including RFP responses, technical certifications, contracts, and invoices

PROJECTS

Manufacture CNC Machine Using Arduino Board

Central Connecticut State University

- Created a 3-axis CNC machine capable of doing standard industrial tasks like milling, drilling, and cutting
- Designed, engineered, and built all components to complete construction of the machines for demonstration to graduate staff
- Learned and implemented G-codes to control the tool
- Coded (over 2000 lines) programs for Arduino board using C++ and created a web-based user interface leveraging Java

Fully Automatic Dough Maker Machine

Creator

- Designed and developed dough maker machine that mixes dough and adds water based on user specifications
- Created and built machine using a powerful (1/4 HP) geared motor along with mixing tool, bowl, water tank, pipes, and pump
- Implemented computer controller, solenoids, mechanical components, and related circuitry to operate the machine
- Developed programming (C++) to control the machine and interface with web-based remote GUI to input recipes

CAREER OBJECTIVE

Enthusiastic and talented mechanical engineering graduate with extensive technical and functional knowledge in engineering, science and mathematics disciplines. Looking for new challenges and advancement as a Mechanical Engineer within Kamatics.

EDUCATION

Bachelor of Science

Mechanical Engineering

Central Connecticut State University

📅 2017 - 2021

📍 New Haven, CT

SKILLS

- Problem-solving
- Creativity
- Communication
- Leadership
- Mathematics

CERTIFICATIONS/ LICENSES

- CAD and Digital Manufacturing (Autodesk)