BD

BLAKE DYKES
RECENT GRADUATE - ASPIRING SOFTWARE ENGINEER

SKILLS

Languages –
- C++
- C#
- Java
- JavaScript
- HTML
- CSS
- VBA

Platforms and Libraries –
- OpenGL
- React
- MongoDB
- SQL
- AutoCAD
- Git

Concepts –
- Object Oriented Design
- Algorithm Design
- Computer Aided Drafting
- 3D Modelling

PROFILE

Driven engineering professional with a diverse and promising skill set acquired through academic training and professional experience. Dedicated to learning the latest innovative development tools and procedures.

EDUCATION

BACHELOR OF SCIENCE – COMPUTER SCIENCE • NOVEMBER 2020
SOUTHERN NEW HAMPSHIRE UNIVERSITY – 3.64 GPA
Key Accomplishments –
- Developed a Spring Framework Java web application with a REST API that interfaces with a MongoDB database
- Developed an OpenGL context, lighting model, 3D user operable camera, and an editing tools GUI using C++ and the Dear IMGUI open source library. Manually modeled my dog inside the context using vertex and fragment shaders.
- Developed a CSV parsing application which loads a CSV file into the user's choice of data structure (linked list, binary search tree, or hash table), allows the user to perform CRUD operations, and tracks the amount of clock ticks each operation takes to complete.
- Developed a MERN stack application which allows a user to perform CRUD operations over stock records displayed in a styled table

CERTIFICATE OF DRAFTING AND DESIGN • MAY 2018
TYLER JUNIOR COLLEGE – 4.00 GPA

COMPLETED CORE CASEWORK • MAY 2013
KILGORE COLLEGE

BLAKEDYKES0104@GMAIL.COM   GITHUB.COM/BLAKEDYKES   903-220-8810   LINKEDIN.COM/IN/BLAKE-DYKES-0104/

EMPLOYMENT HISTORY

LEAD PROJECT ENGINEER • MAY 2018 – PRESENT
CCI GROUP • LONGVIEW, TEXAS

Company Description - CCI Group provides engineering, manufacturing, and installation of custom cabinetry and millwork for the healthcare, education, retail, and commercial industries

Responsibilities:
- Lead team of five engineers in creating architectural and technical drawings of custom cabinetry and millwork
- Design and engineer parametric millwork products using AutoCAD, SQL, and Excel
- Designed, developed, and implemented standard operating procedures that improved workflow and manufacturing efficiencies
- Implemented new employee onboarding process, resulting in stronger staff development and a culture of teamwork and open communication
- Utilizing AutoCAD, draw orthographic elevations, floor plans, and 3D views according to architectural requirements and specifications
- Construct finished goods dossier by integrating AutoCAD, SQL, and Excel VBA to produce exploded bill of materials which includes subassemblies, automated manufacturing tool instructions (routing and cutting), shipping and handling instructions/requirements, and assembly and installation instructions

PROJECT ENGINEER • DECEMBER 2016 – FEBRUARY 2018
PINNACLE CABINETS • CANTON, TEXAS

Company Description - Pinnacle Cabinets provides engineering, manufacturing, and installation of premium residential cabinetry and millwork in the Dallas – Fort Worth metroplex

Responsibilities:
- Engineer, manufacture, and install custom residential cabinetry and millwork in coordination with architects, interior designers, and homeowners.
- Utilizing Mozaik computer aided design software, prepare technical drawings, detailed assembly instructions, 3D models, and floor plans