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BRYCE M. DUGGER

SUMMARY

Mechanical engineer studying full-stack web development eager to make an industry change. Competent in object-oriented programming with relevant course work in web design, databases, and algorithms. Clear technical communicator with effective interpersonal and leadership skills.

EDUCATION

UNIVERSITY OF WASHINGTON FULL-STACK WEB DEVELOPER BOOT CAMP SEATTLE, WA

A 6-month program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Node Js, MySQL, MongoDB, Express, React Js, & Java.

Graduating February 22nd, 2020

WASHINGTON STATE UNIVERSITY, PULLMAN, WA

Bachelor of Science in Mechanical Engineering
Graduated May 2017

EXPERIENCE

HARGIS ENGINEERS, JUNE 2017 - CURRENT, SEATTLE, WA

MECHANICAL CONSULTANT

- Lead Mechanical Designer, Associate Project Manager, and Prototype Manager.
- Design the mechanical, plumbing, refrigeration, and control systems that serve buildings.
- Tailor design to client parameters based on cost, appearance, and performance.
- Render models to define spatial requirements of design within the building space using 3D Computer-Aided Design (CAD) software.
- Coordinate with internal and external disciplines such as Electrical, Architectural, & Structural to provide appropriate information and resolve design conflicts.
- Manage progress and delegate responsibilities to other designers on team to ensure deliverables are met and to standard.
- Work in a dynamic environment to develop drawing packages for up to 10 projects weekly.

HOLLAND AND TERRELL LIBRARIES, JANUARY 2014 – MAY 2017, PULLMAN, WA

CLERICAL ASSISTANT 3 (STAFF ASSISTANT)

PROJECTS

MOOLAH, UW FULL-STACK WEB DEVELOPER BOOT CAMP

Moolah is a full-stack application that allows users to track their expenses and create goals. Users can input custom categories, goals, and expenses to develop a budget that's best for them. Users can view their budget in tabular view to use per their discretion. Link to demo in portfolio below.

Back End: Node.js / Express.js, Front End: jQuery, Bootstrap / CSS, Database: Sequelize / MySQL

ADDITIONAL BOOT CAMP PROJECTS: brycedugger.github.io/portfolio/

PROTOTYPE MANAGER FOR LEADING TECH COMPANY'S RETAIL PROGRAMS, HARGIS

Developed two prototypes that eliminate 40 hours of model set up time per project to achieve mass production of NDA retail programs. Review completed projects and owner feedback to add relevant changes to the prototype for future use. Emend projects in production to reflect design changes.