

John E. Babin Jr.

Sacramento, CA

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985-290-9254

BSME, Louisiana State University

EIT Certified

- Experience in engineering design and fabrication, CAD, process engineering
- Experience in HTML, CSS, JS, JQuery, and Node.js
- Excels in both individual and team environments
- Exceptional written, oral, and visual communication skills

Authorized to work in the US for any employer

Work Experience

Solution Architect

Horizon Custom Solutions - Sacramento, CA

January 2018 to Present

- Determine best PC solution based on customer needs and budget
- Assemble, customize, and cable manage builds
- Install and troubleshoot all desired operating systems and software to meet customers needs

Mechanical Engineer

Pegatron - Elk Grove, CA

November 2017 to Present

- Carry out daily audits and calibrations of testing fixtures in order to meet production deadlines
- Collaborate with branches around the world to setup and complete new, expansive projects
- Analyze fixtures to determine root cause of failure to ensure issues are resolved

Student Lead Design Engineer

Louisiana State University

August 2016 to May 2017

Mechanical Engineering Capstone Senior Design- Louisiana State University

- Lead design and manufacture of the braking and propulsion deployment subsystems for the LSU Hyperloop Pod to be entered into the SpaceX Hyperloop Pod Competition
- Performed structural, stress, and thermodynamic analysis on all components of subsystems as needed
- Lead developer of SolidWorks' models and manufacturing drawings
- Manufactured all components of subsystems in order to bring them to realization
- Established testing procedures for subsystems and carried out procedure to yield validated results

Project Manager of LSU Hyperloop Competition Team

Louisiana State University Hyperloop Team- Louisiana State University

August 2016 to May 2017

Louisiana State University Hyperloop Team- Louisiana State University

- Maintained organization of all team members including scheduling, resource allocation, and budgeting

Telephone Technician Manager

Information Technology Services-Louisiana State University

April 2015 to April 2017

- Operated frame room consisting of ten thousand plus phone lines
- Managed other telephone technicians to ensure all jobs were completed correctly and quickly

Student Friction Stir Weld Engineer

Michoud Assembly Facility NASA - New Orleans, LA

August 2016 to December 2016

- Recorded and analyzed data of welded panels to determine best changed variables to the weld process
- Presented the data to a board of NASA, Lockheed, and Boeing Engineers

Boiler Technician

Control and Instrument Services - Slidell, LA

June 2012 to August 2014

- Operated and maintained boilers and related equipment
- Performed routine maintenance work to ensure all equipment operated in a safe and efficient manner
- Learned how plants operate and how layouts of boiler and chiller systems are established

Education

Full Stack Web Development Certification in Web Development

UC Davis - Sacramento, CA

June 2019 to Present

Bachelor of Science in Mechanical Engineering

Louisiana State University - Baton Rouge, LA

May 2017

Skills

Microsoft Office, Solid Works, C++, JQuery, HTML, Javascript, CSS, Web Design

Certifications/Licenses

Driver's License