

EXPERIENCE VIA FULL-STACK DEVELOPER BOOT CAMP

FULL STACK WEB DEVELOPER, *Washington University, Saint Louis, MO* 04/2022 – Present

- Currently working thru a 6 months long full-stack web development certification program
- Acquired hands-on experience using HTML, CSS, JavaScript, NodeJs, ExpressJs, JQuery and MySQL and API (Application Programming Interface) to build various web applications as a part of the class assignments and projects.
- Acquired skills on using version control system Git and use of its web repository GitHub
- The projects can be found github (github id: spbhanda)

WORK EXPERIENCE

STRUCTURAL ANALYSIS ENGINEER II, *Boeing Company, Saint Louis, MO* 09/2018 – Present

Boeing Defense, MQ-25 Program:

- Perform static and fatigue stress analyses on non-conforming parts and make recommendations for repair or no repair
- Utilize finite element models such as Patran/Nastran and Hypermesh.
- Write analysis reports. Communicate with customer for the approval

Boeing Defense, JDAM Missile Program:

- Performed structural analysis on new wing-design on 'Powered JDAM'
- Worked on A5K strake/wing design and analysis. Took a complete different strake design approach from the traditional JDAM strakes, and it is in testing phase currently

STRUCTURAL AND PAYLOAD DESIGN ENGINEER I, *Boeing Company, Saint Louis, MO* 05/2015 – 05/2017

777X Program:

- Performed a design role for aluminum, sheet metal and injection molding parts for flap support fairings
- Modeled parts utilizing CATIA and ENOVIA V5. Completed all the milestones from concept layout to approved layout. Met part's release deadlines 100% on schedule
- Coordinated and worked closely with M&P, stress and manufacturing groups

ENGINEER I, *Boeing Company (formally known as CDG - a Boeing Company), San Diego, CA* 05/2012 – 06/2015

- Read and interpret 2D engineering data, and translate to 3D layout for digital part illustration
- Utilized ENOVIA, CATIA V5 to create 3D CAD models of detail parts and assemblies
- Utilized MS office programs such as Word, Excel, Outlook, Powerpoint and Project

EDUCATION

Bachelor of Science: Mechanical Engineering
University of California, San Diego 2012

Full Stack Web Application Development Certificate
Washington University, Saint Louis (Expected on 10/2022)

CLEARANCE

Secret (Active)

COMPUTER SKILLS

- Experience through coding boot camp projects – HTML, CSS, JavaScript, NodeJs, ExpressJs, MySQL
- Proficient in PLM/MBD tools – ENOVIA and CATIA V5; TeamCenter and NX
- Introductory knowledge in computer languages – C, Python, Java, visual basic
- Previous work and academic experience with MATLAB, C++, LabView, Pro/Engineering, AutoCAD