

# JANE M. HSU

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## PROFESSIONAL SUMMARY

Entry-level web developer with engineering, project management, and leadership experience who is motivated by a love of learning. Broad knowledge in multiple programming languages and frameworks for the development of full-stack applications. Well-rounded engineering background provides an excellent foundation for delivering inclusive solutions. Organized, detail-oriented, and collaborative nature allows thorough execution and delivery of quality products.

## TECHNICAL & LEADERSHIP HIGHLIGHTS

HTML | CSS | JavaScript | React | Bootstrap | JQuery | Node.js | Express | MySQL | Express | MongoDB

- **Strategic** – Transformed an engineering and manufacturing organization for effective and efficient design, fabrication, modification, and test of engineering test fixtures.
- **Execution** – Designed the plan, oversaw the personnel, and coordinated the logistics across multiple disciplines in the execution of multi-million-dollar statements-of-work.
- **Leadership** – Mentored junior and senior-level engineers in understanding new technologies and their application to enable them to take ownership of their projects. Advocated for resources that resulted in empowered and engaged personnel.

## PROFESSIONAL EXPERIENCE

Northrop Grumman Corporation, El Segundo, CA, 07/2003 – Present

- Staff System Engineer – Lead Engineer responsible for \$60M+ over 5 years for the design, fabrication, modification, and test of multiple large-scale test fixtures. Responsible for managing cost and schedule, developing resource plans, mentoring team, collaborating with stakeholders, managing suppliers, and coordinating with test facilities for most efficient and cost-effective solutions. 2018 – Present
- Functional Manager – Championed development initiatives for improved employee engagement. Managed the performance development, assessment, and review of a team of 20 employees. 05/2015 – 2018
- Principal System Engineer – Designed and analyzed platform features and materials for performance and application onto full scale platforms. 05/2011 – 05/2015
- Principal Mechanical Engineer – Led the structural design effort of a large-scale test fixture. Designed small-scale fixtures for data acquisition. 05/2008 – 05/2011
- Principal Mechanical Engineer – Designed primary composite structure for flying platforms under an expedited schedule. Worked closely with NC Programming to manufacture complex parts. 07/2003 – 05/2008

## EDUCATION

Full Stack Web Development Extension Course, February 2021  
University of California Los Angeles, Los Angeles, CA

Bachelor of Science, Mechanical Engineering, December 2000  
University of Washington, Seattle, WA