

KHANH (TONY) NGUYEN

Santa Clara, CA 95054 - Tel: (408)759-0591 - usmechdesign@gmail.com

Portfolio Profile: <https://www.linkedin.com/in/usmechdesign>

Objective: Professional growth and development in Mechanical Design & Documentation Specialist position working within the Engineering Design and Services Document Control department to create, maintain and control the changes of company products throughout their lifecycle.

Skills:

- Proficient in producing 3D modeling, dimensional drawings, installation drawings, and complex manufacturing using SolidWorks, Creo parametric, and AutoCad.
- Experience in Engineering Document Control practices. review and process general policies/procedures, ECRs/ECOs, deviations, customer orders, engineering drawings and BOM using Enovia PLM, Team Center, Excel and MS-Word. Research product change impact to ensure that all products affected are identified and any issues resolved.
- Knowledge of GD&T and ASME Y14-5-2009 standard drafting practices and procedures.
- Excellent attention to detail; quick learner with creative problem solving and analytical skills. Exceptional oral and written communication skills to effectively interact with internal and external stakeholders, at various levels of the organization.
- Able to work with minimal supervision, efficiently schedule and manage time. I'm self-directed and highly motivated. I enjoy working in a team environment and thrive under pressure.

Education:

- Associate Engineering Science – Mission College, Santa Clara, CA - 2000

Technical Achievement:

- Certified - Designing with Plastics – GE Plastics, Santa Clara, CA - 2000
- Certified - SolidWorks Fundamental & Advancing – US CAD, Santa Clara, CA - 1997
- Certified - Numerical Control Programming – San Jose City College, San Jose, CA - 1995
- Certified - Machine Tool Technology – San Jose City College, San Jose, CA - 1994

Work History:

SLAC - Stanford University, Menlo Park, Ca 94025 – Dec, 2016 – Aug, 2017

A U.S. Department of Energy (DOE) Office of Science Laboratory

Mechanical Design & Drafting – Contracted from Asquare, Inc. to

- Work directly with project engineers and minimal written verbal input to create, maintain and control complex mechanical drawings, top level assembly drawings and models for Large Synoptic Survey Telescope (LSST) Group using Solid Edge.
- Responsible for creating design layouts, tolerance studies, weldments, basic engineering calculations, and assembly and details drawings.

- Interact with engineers, physicists, designers, machine and vacuum shop personnel. Attend and contribute to design review meeting.

TE Connectivity, Menlo Park, Ca 94025 – Sept, 2012 – Aug, 2016

An Electronic Connectors and Components Company

Mechanical Design & Documentation Specialist – Contracted from Kelly Engineering to

- Create, maintain and control the changes of Aerospace, Defense and Marine's products throughout their lifecycle using Creo Parametric, AutoCad and Enovia PLM. Develop and manage execution of engineering changes end to end from inception of change request, collation of inputs, impact analysis to approval and communication of changes.
- Review and process general policies, procedures, change requests, orders, deviations, BOM and verifying the completeness and correctness of products during the release process.
- Support product development engineers with expertise during different phases of product development process. Coordinate and interact with team in India for project execution.

Vello Systems, Inc., Menlo Park, Ca 94025 – Sept, 2008 – Feb, 2012

A Developer of IP and Optical Networking Company

Sr. Mechanical Designer – Contracted from Accel Manufacturing, Inc. to

- Finalize and prepare CAD assembly/manufacturing drawings of Optical Server Rack Chassis, Universal Rack Mount Enclosures (1u, 2u, 3u), and stand-alone Network Test chassis using SolidWorks and EPDM.
- Interact with vendors and metal shops to find the best manufacturers and suppliers for the jobs with the best price, quality and quick turnaround.

Pycon, Inc., Santa Clara, CA 95054 – 1997 – 2007

A Printed Circuit Board Manufacturer

Machine Shop Supervisor, Machinist – Responsibilities

- Design and fabricate custom tools, provide quick turn-around in-house machining services to all departmental supervisors, engineers, and department managers to allow the company to execute all client's needs expeditiously.
- Assist maintenance department with replacement components, and modules for existing machinery that improved functioning and extended the life of equipment.
- Manage all phases of the machining process for a multitude of assembly tools, prototypes, fixtures, test probes, parts and components used in printed circuit/burn-in boards, and replacement parts for application equipment.
- Manage and maintain all machine shop repair and maintenance records. Manage organization, safety and ensure daily operations are carried out efficiently and safely.
- Program, setup, operate and troubleshoot CNC, lathe, vertical mills, drilling machinery. Inspect completed work for conformance to specification using tools such as calipers, height gauges, micrometers, rulers, etc.

References: Available upon request.