**Hai Tuan Nguyen** San Jose, CA 95122 (408) 550-4342 noctlamyn@gmail.com

# EXPERIENCE

**Thermal Test Engineer** 09/2017-present

Cisco, CA

* Windtunel testing
* CPU, GPU, Memory stress with or without thermolcouples
* Collect thermal data and generate chart to analyze and improve the quality of the product during R&D

**Production Line Lead** 09/2015-05/2016

Flextronics in Milpitas, CA

* Manage the production line to run smoothly without delay in various stage of the production process
* Responsible for the following stations so that they’re never down: SMT machine, hand solder, touch up/rework, hand load, 5DX, ICT, press fit, mechanical assembly, Wave machine, JTag debug, etc.
* Prepare and pulling kit as well as prioritize products ready to be ship on time so that the quota is met.

**Mechanical Engineer Intern** 10/2012-12/2012

BAE Systems in Radford, VA

* Reviewed, prepared technical reports, and documented designs for senior engineers
* Develop testing plans to compare actual to theoretical data, repaired electronic and structural test equipment
* Utilized MS Access to construct database of all existing aircraft designs

**Aeronautical Systems Intern** 06/2012 - 08/2012

NASA Langley Research Center in Hampton, VA

* Creating aircraft model for NASA and Boeing collaboration R&D project, conducting CFD simulation and structural analysis via SolidWorks and NASTRAN, optimizing aircraft structure for weight reduction and reported all results to Senior Engineer

# EDUCATION, PROJECTS, and CERTIFICATION

**MS., Aerospace Engineering and Mechanical Engineering,** San Jose State University08/2012

## Master’s Project

**Compressible Navier-Stokes Solver w/Opensource for Graphical Processing Units**

Develop a compressible Navier-Stokes solver with the capability to run on or tap into the power of parallel cores on the GPU using open source library

**B.S., Aerospace Engineering and Mechanical Engineering,** San Jose State University08/2010

*Exemplary Academic Achievement Honors, 2010 to 2011*

## **Certification**

Board for Professional Engineers and Land Surveyors, Certificate #134471

ToolingU Certificate of Completion of Intro to Additive Manufacturing

ToolingU Certificate of Completion of Additive Manufacturing Safety

ToolingU Certificate of Completion of the Basic Additive Manufacturing Process

ToolingU Certificate of Completion of Additive Manufacturing Methods and Material

# SKILLS

**Software:**  Pro/Engineer, Pro/Mechanica, SolidWorks, GridPro, LabVIEW, MATLAB, ANSYS Fluent,

NASTRAN, ESI Advanced CFD, C, Bash Script, Linux, MS Office Suite (Word, Excel, PowerPoint) ∙ **Languages:**  Fluent in English and Vietnamese