



CURTIS FONG, EIT

MECHANICAL DESIGNER

Curtis Fong is a mechanical designer and former mechanical design intern at Taylor Engineering. Mr. Fong holds a Dual B.S. in Civil Engineering and Architectural Design from Stanford University, and a M.S. in Civil Engineering from the Sustainable Design and Construction Program at Stanford University.

As an intern, Mr. Fong created energy models to analyze savings and pursue LEED certification, investigated the performance of traditional and innovative SAT reset strategies, developed a VAV box sizing guide across multiple permutations and scenarios, and generated HVAC designs and controls schematics in Revit. Mr. Fong also interned previously for Integral Group, where he produced a framework for rapid EUI and cost estimation for developers, created energy models, and developed processes to expedite energy modeling.

At Taylor Engineering, Mr. Fong's responsibilities include HVAC systems design, HVAC control systems design, load and energy analysis using programs such as Trace and DOE-2, and Revit CAD drafting.

EDUCATION

B.S. Civil Engineering,
Stanford University
(Structures & Construction),
2016

B.S. Architectural Design,
Stanford University, 2016

M.S. Civil Engineering,
Stanford University
(Sustainable Design &
Construction - Energy), 2017

REGISTRATIONS

EIT, CA

AFFILIATIONS

American Society of Heating,
Refrigeration, and Air-
Conditioning Engineers

United States Green Building
Council

YEARS OF EXPERIENCE

6 months total
3 months with Taylor
Engineering

HONORS AND AWARDS

Frederick Emmons Terman Award, Stanford University, 2016



REPRESENTATIVE PROJECTS

NDA 40 MW Data Center	Reno, NV, Cx
NDA Data Center Logistics Building	Maiden, NC, 70,000 ft ² , Control design, Energy modelling
Oceanwide Towers	San Francisco, CA 2,000,000 ft ² , HVAC design
Stanford Lab Energy Efficiency	Stanford, CA, Analysis of lab energy efficiency measures

RESEARCH PROJECTS:

ASHRAE: VAV Box Sizing Guide based on Total Pressure Drop across various EEMs

PIER Changing the Rules: Supply Air Temperature Reset Optimization