



CHRIS HUGHES, HBDP, LEED AP BD+C
SENIOR DESIGNER

Chris Hughes has 6 years of HVAC experience in Georgia and California. As a senior mechanical designer at Taylor Engineering, Mr. Hughes' work includes HVAC design and energy analysis with a focus on efficiency and life cycle cost effectiveness. His technical background includes the development of HVAC designs for biotech research and development facilities, healthcare, mission critical, commercial offices, food establishments, campus district energy, and higher education projects.

EDUCATION

B.S. Mechanical Engineering,
Georgia Institute of
Technology, 2011

REGISTRATIONS

Engineer in Training,
California

AFFILIATIONS

American Society of Heating,
Refrigeration, and Air-
Conditioning Engineers
International Institute for
Sustainable Laboratories
United States Green Building
Council

EXPERIENCE

1 year with Taylor Engineering
7 years total
Newcomb & Boyd
Affiliated Engineers
Point Energy Innovations

He has experience commissioning new construction and retro-commissioning existing buildings. He has been involved in the design and retrofit of several laboratory buildings. He has contributed his expertise towards the LEED Platinum certification of numerous large university projects, healthcare, and research facilities. He has also designed HVAC systems for net zero energy (NZE) buildings as well as carbon emission free buildings. He is skilled at energy modeling and analysis, with advanced experience in eQUEST/DOE-2, Energy Plus, and Trace and is a certified High-Performance Building Design Professional (HBDP).



REPRESENTATIVE PROJECTS

BioMarin	Novato, CA. 44,000 ft ² office building
Buck Institute	Novato, CA. Central plant upgrade
Caltech Labs	Pasadena, CA, 25,000 ft ² controls upgrade
Caltech Labs	Pasadena, CA, 35,000 ft ² controls upgrade
One Maritime Plaza	San Francisco, CA. 750,000 ft ² Central plant upgrade
Oceanwide Towers	San Francisco, CA, 2,100,000 ft ² New construction
Peralta District Administration Center	Oakland, CA, 20,000 ft ² Data center upgrade
LBNL B34 Controls	Berkeley, CA, 50,000 ft ² controls upgrade
LBNL B71 Lab 146 Cx	Berkeley, CA, 70,000 ft ² Central plant upgrade
Alma Station*	Menlo Park, CA, 25,000 ft ² , LEED Platinum, NZE
Bayer QC Lab Phase I & II*	Berkeley, CA, 75,000 ft ²
Genentech K6*	South San Francisco, CA 1,000,000 ft ²
Gilead B357*	Foster City, CA, 250,000 ft ²
GT CULC*	Atlanta, GA 250,000 ft ² , LEED Platinum
Logitech HQ*	Newark, CA, 125,000 ft ²
Novartis QC lab*	Berkeley, CA, 150,000 ft ²
Point Alameda*	Alameda, CA, 15 mi ² LEED ND Gold
Presidio Visitor Center*	San Francisco, CA, 8,000 ft ²
Santa Rosa Junior College*	Santa Rosa, CA 50,000 ft ²
Stanford SESI*	Stanford, CA
UC Berkeley HPC Data Center*	Berkeley, CA, 15,000 ft ²
University of Illinois Super Computer*	Urbana Champaign, IL, 25,000 ft ²
VA VISN 21*	San Francisco, Fresno, Sacramento, CA 1,000,000 ft ²
VA Building 40*	San Francisco, FA
VA Building 1*	San Francisco, FA
VA Building 6*	San Francisco, FA
VA Building 8*	San Francisco, FA
Workday Development Center*	Pleasanton, CA, 420,000 ft ² , LEED Gold

*Work performed while at previous companies