

# Wyatt Castellan

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## KNOWLEDGE

Mechanical Engineering Sciences:

Static & Dynamic Systems Analysis

Thermodynamics

Solar Energy Conversion

Material Science

Fluid Mechanics

Machine Tools: Waterjet, Mills, Lathes

## SOFTWARE

Revit

AutoCAD

HTML

CSS (Bootstrap, Tailwind)

JavaScript (jQuery)

Microsoft Office

## AFFILIATIONS

American Society of Mechanical Engineers 2014-Present

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

2016-Present

## PROFILE

**Enthusiastic mechanical engineer**, with mechanical systems and building system design experience. Seeking new direction in the web development field with enthusiasm to learn. Basic fluency in Spanish. Excellent written and oral communication skills.

## EDUCATION

### Bachelor of Science – Mechanical Engineering

San Diego State University, San Diego, California

-Focus on project planning and schematic design

-Learn building load calculations and HVAC design

### Coding Bootcamp

University North Carolina, Chapel Hill, North Carolina

-Focus on full web-stack development

-Learn agile methodology, database theory

## EXPERIENCE

### Mechanical Engineer – October 2017 to December 2018

TK1SC, San Diego, CA

Use building systems design software including Revit, AutoCAD, and Trane Trace to create HVAC mechanical design and construction drawings for commercial projects. Project types include hospitality, healthcare, life sciences/lab, and office spaces.

### Controls Engineer – March 2019 to January 2021

Pacific Rim Mechanical, San Diego, CA

Use building system design software including AutoCAD and SketchUp to create HVAC wiring design and floor plans for user interface in commercial projects. Use remote login software to troubleshoot Distech commercial systems.

## SKILLS/INTERESTS

### Dale Carnegie Course – June 2017

Communications Training and Public Speaking

**Fluency in Spanish – Basic**

**Computer Building Experience**