

Huey Chan

San Bruno, CA | (662) 229-8520 | huey@hchanengineer.com

Skills

Technical Skills:

- Coding : MATLAB, Python, and C++
- Computer Modeling: OpenVSP, Patran, SolidWorks and Autodesk Inventor
- Office Work: Microsoft Word, Excel, and Powerpoint

Certifications:

- AutoCAD 2025 Essentials – LinkedIn Learning
- Six Sigma White Belt Certification - The Council for Six Sigma Certification

Education

University of California, Davis

June 2023

Bachelor of Science in Aerospace Science and Engineering

Cumulative GPA: 3.6/4.0

Relevant Experience

Jason M J Chan Architect - Architectural Drafter

January 2025-Present

Millbrae, CA

- Conduct site visits and collect layout measurements for residential remodels
- Produce detailed AutoCAD drawings with turnaround times typically under 1 week
- Specialize in high-value (\$1M+), century-old homes with complex, historical designs

Space and Satellite Systems Club - Computer Systems Section

October 2021-June 2023

Davis, CA

- Created software and code for an experimental cube-sat before launch
- Developed Python experience writing autonomous algorithms within 4 months
- Coordinated computer-systems section with other teams to meet tight project deadlines

Stability of Flexible Dynamic Systems - Su-25 Wing Analysis

June 2023

Davis, CA

- Worked in a team to perform modal, static, and flutter analyses of a Su-25 Wing
- Performed a detailed computer analysis using Patran with up to 80,000 elements
- Used results to verify safe operating conditions for the aircraft wing

Aircraft Performance and Design - Hybrid Electric Aircraft

March 2023

Davis, CA

- Collaborated with teammates to design a hybrid turboprop regional airliner
- Created a 73 page preliminary design report and presented design in a public presentation
- Met weekly to delegate CAD or numerical analysis tasks and update the project schedule

Engineering Graphics in Design - Photography Drone Project

December 2019

Davis, CA

- Modeled a drone's propulsion system using SolidWorks CAD software.
- Created detailed engineering drawings for prototyping and manufacturing.
- Wrote a 32-page report and a digital copy of the presentation.

Links

Portfolio: <https://hchanengineer.com/>

LinkedIn: <https://www.linkedin.com/in/hueypchan/>

GitHub: <https://github.com/yeuhss>