

Huey Chan

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Skills

Technical Skills:

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

Soft Skills:

- Leadership: project management, team coordination, agenda setting
- Communication: writing reports, product presentations, web design

Education

University of California, Davis

June 2023

Bachelor of Science in Aerospace Science and Engineering

Cumulative GPA: 3.6/4.0

Relevant Experience

Space and Satellite Systems Club - Computer Systems Section

October 2021-June 2023

- 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

Davis, CA

Stability of Flexible Dynamic Systems - Su-25 Wing Analysis

June 2023

- 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

Davis, CA

Aircraft Performance and Design - Hybrid Electric Aircraft

March 2023

- 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

Davis, CA

Introduction to Engineering Design - Cane Pedometer Project

March 2021

- Developed a lifestyle product for the Betty Irene Moore School of Nursing
- Designed and rapidly prototyped a fully functional cane-mounted pedometer
- Used recycled materials extensively to cut prototype costs by \$100+

Davis, CA

Energy, Materials, and Design - Image Sensors Project

December 2019

- Collaborated in creating a group presentation for CMOS image sensors
- Researched the material and life cycle costs from cradle to grave of an everyday product
- Produced a digital copy of the presentation for a materials design website

Davis, CA

Links

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

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

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