Alex Baowend Soom Marie Anicet ZONGO

Engineering Student

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Ξ LinkedIn, Facebook

Skills

MATLAB & Simulink

Catia V5

Ansys

SolidWorks

Python

C++

Languages

French (native language)

English (level C1-advanced)

Chinese (TOCFL 2)

Hobbies & Extracurricular activities

- Toastmaster and robotic club member
- Play piano and guitar
- Read books

Profile

Being a keen Aerospace Engineering student, I describe myself as a fast learner both disciplined and responsible. As a team worker, I am open-minded with good communication skills and fond of challenges. On a technical basis, I have strong and practical knowledge of aerodynamics, flight dynamics and control as well as aircraft design.

Education

Beijing University of Aeronautics and Astronautics, Beijing, China
September 2018 – July 2021

- Bachelor of Engineering **Flight Vehicle Design Engineering** Currently senior student with a GPA of 3.76/4.0 in the field of.
- Graduation date is expected by July 2021.
- Chinese Government Scholarship (CSC) recipient.
- Excellent study first prize, 2018-2019 academic year.

National Cheng Kung University, Tainan, Taiwan
September 2017 – July 2018

- First year in **Aeronautical and Astronautical Engineering** completed with a GPA of 4.0/4.3
- Taiwan Scholarship (MOFA) recipient.
- Outstanding Academic Achievement certificate's recipient.

FuJen Catholic University, Taipei, Taiwan
September 2016 – August 2017

- Mandarin(Traditional Chinese) learning at the Language Center.
- Test Of Chinese as Foreign Language(TOCFL 2).
- Taiwan Scholarship (MOFA) recipient.

Some relevant Courses, Beijing University of Aeronautics and Astronautics

- **September 2019 – January 2020**
  Fluid Dynamics, Aircraft Structural Mechanics,

Aerodynamics, Computational

- **February 2020 – June 2020**
  Aircraft Design, Automatic Control, Finite Element Analysis, Helicopter Aerodynamics and Preliminary Design.
- **September 2020 – January 2021**
  Helicopter Flight Dynamics, Aeroelasticity, Mechanical Specialty Course Design(Machining process).

Employment History

Teaching Assistant, High School Math Teacher Serge Sawadogo, College Notre Dame de l'Esperance, Ouagadougou
October 2015 – June 2016

- Propose answers for a series of math problems in the process of the redaction and publication of a high-school mathematics book;
- Mark the assignments and exams of High-School students.

Projects & Experiences

Aircraft Modeling and Dynamic simulation with MATLAB & Simulink, Beijing.
August 2020 – September 2020

- Application of Flight Dynamics knowledge to build an aircraft dynamic model and to conduct a simulation with Simulink and the flight simulator (Flight Gear).
- Software: MATLAB, Simulink, Flight Gear.

General Aviation Aircraft Design, Beijing.
March 2020 – June 2020

- Design of a small Lightweight Sport Airplane in Collaboration with two other Classmates.
- Software: Catia V5, MATLAB, XFLR5.

Helicopter Preliminary Design, Beijing.
March 2020 – June 2020

- Preliminary design of an utility Helicopter.
- Software: SolidWorks, MATLAB, XFLR5.

Wheeled robot obstacle avoidance workshop, ROBOCITI
December, 12th 2019 at TSINGHUA X-LAB

- Hands-on robot assembly
- Problem solving logic
- Python programming and ROS environment