Daniel Alejandro Pérez Avila

 daniel-alpa | 🌐 grabcad.com/daniel.avila-29 | ✉ dalp.avila@gmail.com | 📱 +52 66 813 632 71

SUMMARY

Creative, self-taught when needed, keen and determined to always improve and ready to take new challenges.

WORK EXPERIENCE

Aircraft Maintenance Engineer   *Jun 2021 - present*

Mexican Navy

Tasks involving aircraft maintenance services administration and discrepancies of EADS CN-235-300 MP and CESSNA Grand Caravan. Verified the compliance of Service Bulletins and diverse Technical Publications and Directives for airframes and its powerplant.

Intern   *Feb 2019 - Aug 2019*

Mexican Navy

– Developed Technical Reports and advice on heliports and air bases rehabilitation projects.
– Successful teamwork applying scheduled maintenance work cards for Mi-17 and Schweizer 333 helicopters.
– Manufactured pieces for UAVs on composites.

PROJECTS

Mechanical Design of a Ram Air Turbine Transmission System.   *Sep 2020*

Engineered, modeled and simulated a simple axle of power transmission including the engaging clutch, bearings and gearing system.

Leading the reengineering of special tools for Panther AS565 helicopters.   *Oct 2022 - present*

Modeled and reengineered special tools for specific maintenance tasks by interpreting technical drafts and further research.

EDUCATION

Instituto Politécnico Nacional, Higher School of Mechanical and Electrical Engineering

2014 - 2018 *Bachelor of Engineering*   Cumulative GPA: 3.0

Relevant Coursework: Aerodynamics, Computer Aided Design, Electrical Circuits, Metrology, Statistics

ACHIEVEMENTS

Oct 2022	**Catia V5 Mechanical Design Expert**	Grupo SSC
Oct 2022	**Catia V5 For Surfaces**	Grupo SSC
Jul 2021	**Engine Power Check & The Engine Logbook**	Safran Helicopter Engines
Aug 2020	**Management in Engineering: Accounting & Planning**	Massachusetts Institute of Technology
May 2020	**Python and Statistics for financial analysis**	Hong Kong University of Science & Technology
Jan 2020	**Computer Aided Design of Mechanical Elements**	Instituto Politécnico Nacional

SKILLS

C++, Python, Basic CNC Milling and Turning, Arduino, Solidworks, Catia V5, Autocad 2D, Solidworks, NX, MS Office, Technical Drawings, Computer-Aided Design (CAD).