



Antonio Adrian

Programmer
Helicopter Pilot

Birthday/Birthplace

10/Oct/1991, SLP, Mexico

Residence

Augsburg, Germany

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Languages

Spanish (Native)

English (Advanced)

German (Intermediate)

French (Elementary)

Greek (Elementary)

Education

BCs Computing & IT

The Open University (2019-2022)

EASA ATPL(H) Credits

Heli Aviation (2014-2014)

EASA CPL(H) - Commercial Pilot

Heli Aviation (2012-2014)

Career Profile

Since I was young I had great interest in Computing and I would manage to use software and technology to my advantage. However, I took my career path towards my other passion which is aviation. In 2014 after completing my pilot training, I was offered a job in that same flight school. Due to my computer literacy, my main job quickly became to be in charge of the software used for the the control of the aircraft maintenance, where I mainly used GUIs but I had to learn query languages as well.

In 2017, parallel to my work at Heli Aviation, together with my partner I co-founded a small business: [Breakout Escape Room](#), which is now one of the best rated escape rooms in Augsburg. During this time I had to learn and use a wide variety of skills to bring the company to life and make it successful. I had long days working and gathering experience in many areas like marketing, accounting, graphic-design, electronics, etc.

Heli Aviation went bankrupt some time after being bought by Babcock and in December 2019 all employees contracts were terminated. A few months later, while it was being founded, I came aboard [Peak Helicopter Service](#); a company that operates a helicopter in Greece during the summer months. Where I take care of all the IT related affairs.

During my working years I have gathered significant IT experience while developing websites and programming micro controllers. This has brought me to a point where with my IT skills I can quickly grasp new concepts and adapt with ease. So far I've worked as a solo-programmer and I'm now looking forward to forming part of a team where I can contribute with my competence while I also learn in order to grow as a software developer.

Work Experience

At Peak Helicopter Service (Santorini, Mar 2019-Present)

Operation and IT

- Development of a website and booking system using Django (Python).
- Setup of a server in a virtual machine (Linux, Apache, Postgress, Python).
- Design of brochures, flyers and website content (mainly using Gimp, Inkscape, Darkroom).

We operate a helicopter in the Cyclades during the summer months. My main task has been to develop a booking system together with a website. I choose to develop the booking system myself due to the very specific requirements of the operation.

At Breakout Escape Room (Augsburg, Feb 2017-Present)

Managing Director

- Microcontroller programming mainly using Arduino (C/C++).
- Part design and 3d printing (Freecad, Cura).

This job had a very interesting technical challenges in order to materialize our game concepts. I spent countless hours programming Arduinos (C/C++) and Raspberry Pis (Python) in order to build the suite of sensors and gadgets that form part of the riddles and that monitor the progress of the team that is playing. This was also the first time where the code that I was writing had interaction with the physical world which introduced a lot of new variables and problems that have to be taken into account while programming.

At Babcock MCS Germany (Augsburg, Sep 2016-Nov 2018)

CAMO Deputy Manager / Planner

- Data analysis and report automation (SQL, Excel & Visual Basic).
- Aircraft maintenance planning and tracking.

Heli Aviation was taken over by Babcock and a new Manager was appointed for the Airworthiness department. This relieved my from managerial tasks so my job became more technical and focused on the planning of the maintenance mainly interacting with databases.

At Heli Aviation (Augsburg, Sep 2014-Sep 2016)

Pilot / CAMO Deputy Manager 7mos

- Team-lead in charge of keeping the fleet current in all maintenance and compliance with new EASA regulations.
- Pilot for trial flights for potential customers and students.

Due to my adaptability and computing skills I was quickly made deputy manager of the Airworthiness department. Most of the job consisted in maintaining a database with all the parts and inspections related to a helicopter, during this time I learned a lot about Databases and SQL, I also started to program in Visual Basic to automate analysis and reports.

Pilot / CAMO staff 5mos

- Co-pilot for positioning flights (Ferry flights).
- Data processing and entry for the Airworthiness Department, e.g. update of the status of aircraft components after maintenance.
- Monitoring of aircraft maintenance Status.

After a year of non-flying work, I'm let into the Air Operator's Certificate and start working as a pilot, however being a new pilot I don't get to fly all the time, so in parallel I'm also working in the Continuing Airworthiness department. Our job is that the helicopters are flying safe and legally, by planning the required maintenance according to the manufacturer and making sure that we are compliant with the European regulations.

Ramp Agent 11mos

- Refuelling and ground handling of the aircraft.

This is a common initiation job for new pilot, the main purpose of this job is to ready the helicopters according to the flight schedule.

Software Skills

The bars indicate my self-assessed level of proficiency based on knowledge, how familiar I feel when using the software and how effectively I have used it to tackle real world challenges.

Basics

Excel



Word



Linux



Windows



Programming

Python



C++



SQL



Javascript



PHP



Java



Web Development

Django



HTML



CSS



SASS



Apache



Graphics & Design

Inkscape



Gimp



Freecad



Cura



Hobbies

FPV Drones

3d printing

Chess

Hiking

Gaming

Playing Guitar

Electronics