

CURRICULUM VITAE



PERSONAL INFORMATION

FULL NAME Johnny Alexander Aguirre Morales
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ACADEMIC HISTORY

POSTGRADUATE: University of Antioquia
Master in Engineering
2009

GRADUATE: University of Antioquia
Electronic Engineer
2005

HIGH SCHOOL: "Marco Fidel Suárez" Educational Institute
Bachelor
1997

WORK EXPERIENCE

- ❖ Full-time Teacher, University of Antioquia (March 2009 – February 2013). Courses: Microcontrollers architectures and programming, digital circuits design, basics electronics.
- ❖ Part time Teacher, University of Antioquia (2008 – February 2009). Courses: Introduction to computer architecture, programming languages, algorithms, electrical circuits.

RESEARCH EXPERIENCE

Inside the microelectronics and control group: (2005 -) I have could work as researcher in the projects/areas:

- ❖ Design of a real-time platform to capture biosignals using Android.
- ❖ Digital filter implementation in wireless sensor networks nodes oriented to decrease its power consumption.

- ❖ DC Motor fault prediction using DSP techniques.
- ❖ Two months internship at the University of South Florida (USA) as part of a Wireless Sensor Networks capacitating program in 2007.
- ❖ Fuzzy logic inference system implementation on 8-bit microcontrollers.

PROFESSIONAL INTERESTS AREAS

- ❖ Microcontroller/Microprocessor programming and architecture.
- ❖ Digital Design with FPGAs/ CPLDs.
- ❖ Embedded systems.
- ❖ Printed Circuit Board design.
- ❖ Signal processing.

PERSONAL INTERESTS, HOBBIES

- ❖ Dance.
- ❖ Listen latin music.
- ❖ Ride bicycle, swimming.
- ❖ Traveling.

REFERENCES

PhD. José Edinson Aedo

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Johnny Aguirre Morales
Electronic Engineer