

# Marco Lugo

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## EDUCATION

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### University of Texas Rio Grande Valley

*Bachelor of Science in Computer Engineering*

Expected graduation: Fall 2017

- **GPA:** 3.66 / 4.00
- **Relevant Coursework:** Computer Science I & II, Digital Circuits I & II, Microprocessors, Discreet Data Structures, Software Engineering I, System Programming, Object Oriented Programming in Java

## WORK & LEADERSHIP EXPERIENCE

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### Machine Learning Research

Conducting machine learning research under Dr. Dongchul Kim. The goal is to implement simultaneous localization and mapping that can allow a quad-copter drone to autonomously fly in a previously unknown location.

### Android Application Development

Developed a word game named “Stop” in with a team and was responsible for the implementation of the SQLite database, programming the score system, and general layout of the application.

### Quartus CAD Synthesis

Developed various digital circuits, in a lab environment, including finite state machines and digital clocks on an Altera DE2 development board. The designs were implemented using Verilog HDL.

## SKILLS

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Programming: C/C++, Python, Java, R, Verilog, and x86 Assembly

Environments: Windows, Linux, Android Development

Tools: Quartus Prime 15.1, ModelSim-Altera, Altera DE2 Board

## REFERENCES

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### Dr. Dongchul Kim

Assistant Professor

Department of Computer Science

University of Texas Rio Grande Valley

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