

Pedro Cuji
Electrical and Computer Engineer

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SUMMARY

Goal oriented hardware and software engineer looking for a **full time opportunity** to devote my time and skills towards the company's mission by integrating the newest technologies to solve the companies' challenges.

EDUCATION

Illinois Institute of Technology , Chicago, IL	December 2017
<i>Master of Science in Computer Engineering / Hardware design</i>	
<i>Bachelor of Science in Electrical Engineering</i>	
Harold Washington College , Chicago, IL	May 2014
<i>Associate in General Studies</i>	
Certified Automobile Technician title from "Tecnico Industrial Gualaceo" , Ecuador	May 2000

RELEVANT COURSEWORK

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| <ul style="list-style-type: none">• Advance Computer Architecture• VLSI design• Performance evaluation of Computer Networks• Advance Operating Systems• Systems Programing / Linux• Data Structures and Algorithms | <ul style="list-style-type: none">• Signal Processing• Imaging Processing• Microelectronics• Electrodynamics• Fundamentals of Power Engineering• Communication Engineering |
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SKILLS

Programming:	Programming extras:	Simulation:	Languages:
<ul style="list-style-type: none">• C, C++, Python, Java• VHDL, Verilog• CSS, HTML• Assembly (CISC & MIPS)• MATLAB	<ul style="list-style-type: none">• Apache Spark• Vim / Atom• GDB• Git / version control	<ul style="list-style-type: none">• ModelSim• Vivado• Simulink• PSpice• NS3(networking)	<ul style="list-style-type: none">• English• Spanish

WORK EXPERIENCE

Modern Tech Solutions/ Electronics Technician , <i>Chicago, IL</i>	January 2018 – present
<ul style="list-style-type: none">• Reparation and troubleshooting of current electronics as Mac's, iPhone and Galaxy phones using software and hardware tools	
Individual Engineer contractor Villota / Engineer Assistant , <i>Cuenca, Ecuador</i>	April 2000 – 2001
<ul style="list-style-type: none">• Assist the construction and development of mobile bathrooms by using a combination of materials	

PROJECTS

Personal Projects , <i>Chicago, IL</i>	
<i>Develop of a personal portfolio website using CSS and HTML</i>	March 2018
<i>FPGA project using Verilog</i>	Ongoing
Illinois Institute of Technology , <i>Chicago, IL</i>	
<i>Implementation of branch predictors using ModelSim and VHDL</i>	May 2017
<ul style="list-style-type: none">• Design, model, test and compare different branch predictors using analytical skills<ul style="list-style-type: none">- The branch predictor help control hazards and improve hardware performance	
<i>Practical utilization of LTI (Linear Time Invariant) system using MATLAB</i>	December 2016
<ul style="list-style-type: none">• Write an algorithmic function for a direct form II of a system<ul style="list-style-type: none">- Calculate the response of the constructed filter to a signal	

LEADERSHIP AND VOLUNTERING

Tutoring Friends with Mathematics and Coding , <i>Chicago, IL</i>	Ongoing
<ul style="list-style-type: none">• Tutor friend and coworker Milton Pillacela with Math 99 and Math 100 for placement exam• Tutor friend and coworker Madeline Grubich student of Columbia University with CSS and HTML website project	
Fundraiser for a coworker who was diagnosed with cancer/ Ditka's Restaurant	November 2007
<ul style="list-style-type: none">• Help with the organization of the event and volunteer worker during the event	
Train the new staff at Riva Restaurant Crab House , <i>Chicago, IL</i>	June 2017
<ul style="list-style-type: none">• Conduct the training process for the new staff to sustain the increase of incoming summer business	