

**Pedro Cuji**  
**Electrical and Computer Engineer**

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**SUMMARY**

Multitalented individual looking for a **Full Time position** as an Electrical and Computer Engineer to devote my time and skills towards the company's mission integrating the newest technologies along with community development that will provide me professional and personal growth.

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**EDUCATION**

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

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**RELEVANT COURSEWORK**

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

<b>Programming:</b> <ul style="list-style-type: none"><li>• C, C++, Python, Java</li><li>• VHDL, CSS, HTML</li><li>• Assembly (CISC &amp; MIPS)</li><li>• MATLAB</li></ul>	<b>Programming extras:</b> <ul style="list-style-type: none"><li>• Apache Spark</li><li>• Git (version c.)</li><li>• Vim/Atom</li><li>• GDB</li></ul>	<b>Simulation:</b> <ul style="list-style-type: none"><li>• ModelSim</li><li>• PSpice</li><li>• Power World</li><li>• NS3(networking)</li></ul>	<b>Languages:</b> <ul style="list-style-type: none"><li>• English</li><li>• Spanish</li></ul>
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**WORK EXPERIENCE**

<b>Modern Tech Solutions/ Electronics Technician, Chicago, IL</b> <ul style="list-style-type: none"><li>• Reparation and troubleshooting of current electronics as Mac's, iPhone, Galaxy phones using software and hardware tools</li></ul>	January 2018 – present
<b>Individual Engineer contractor Villota / Engineer Assistant, Cuenca, Ecuador</b> <ul style="list-style-type: none"><li>• Help and assist the construction and development of mobile bathrooms by using a combination of materials</li></ul>	April 2000 – 2001
<b>Riva Crab House/ Server, Chicago, IL</b> <ul style="list-style-type: none"><li>• Ability to work in different stations: cocktail bar/serving, liquor knowledge, bartender</li><li>• Vast customer service skills, communication, accommodation of special requests, professional, sales focus</li></ul>	January 2016 – 2017

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**PROJECTS**

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

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**LEADERSHIP AND VOLUNTERING**

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