# 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.

## EDUCATION

**Illinois Institute of Technology,** Chicago, IL     December 2017
> *Master of Science in Computer Engineering / Hardware design*
> *Bachelor of Science in Electrical Engineering*

**Harold Washington College**, Chicago, IL     May 2014
> *Associate in General Studies*

**Certified Automobile Technician title from "Tecnico Industrial Gualaceo"**, Ecuador     May 2000

## RELEVANT COURSEWORK

- Advance Computer Architecture
- VLSI design
- Performance evaluation of Computer Networks
- Advance Operating Systems
- Systems Programing / Linux
- Data Structures and Algorithms
- Signal Processing
- Imaging Processing
- Microelectronics
- Electrodynamics
- Fundamentals of Power Engineering
- Communication Engineering Fundamentals

## SKILLS

| Programming: | Programming extras: | Simulation: | Languages: |
|---|---|---|---|
| • C, C++, Python, Java | • Apache Spark | • ModelSim | • English |
| • VHDL, CSS, HTML | • Git (version c.) | • PSpice | • Spanish |
| • Assembly (CISC & MIPS) | • Vim/Atom | • Power World | |
| • MATLAB | • GDB | • NS3(networking) | |

## WORK EXPERIENCE

**Modern Tech Solutions/** Electronics Technician*, Chicago, IL*     January 2018 – present
- Reparation and troubleshooting of current electronics as Mac's, iPhone, Galaxy phones using software and hardware tools

**Individual Engineer contractor Villota /** Engineer Assistant*, Cuenca, Ecuador*     April 2000 – 2001
- Help and assist the construction and development of mobile bathrooms by using a combination of materials

**Riva Crab House/** Server*, Chicago, IL*     January 2016 – 2017
- Ability to work in different stations: cocktail bar/serving, liquor knowledge, bartend
- Vast customer service skills, communication, accommodation of special requests, professional, sales focus

## PROJECTS

**Personal Projects,** *Chicago, IL*
> ***Develop of a personal portfolio website using CSS and HTML***     March 2018
> ***FPGA project using VHDL***     Ongoing

**Illinois Institute of Technology,** *Chicago, IL*
> ***Implementation of branch predictors using ModelSim and VHDL***     May 2017
- Design, model, test and compare different branch predictors using analytical skills
  - Branch predictors help control hazards and improve hardware performance
> ***Practical utilization of LTI (Linear Time Invariant) system using MATLAB***     December 2016
- Write an algorithmic function for a direct form II of a system
  - Calculate the response of the constructed filter to a signal

## LEADERSHIP AND VOLUNTERING

**Fundraiser for a coworker who was diagnosed with cancer/ Ditka's Restaurant,** *Chicago, IL*     November 2007
- Help with the organization of the event and volunteer worker during the event

**Train the new staff at Riva Restaurant Crab House,** *Chicago, IL*     June 2017
- Conduct the training process for the new staff to sustain the increase of incoming summer business

**Tutoring Friends with Mathematics and Coding,** *Chicago, IL*     Ongoing
- Tutor friend and coworker Milton Pillacela with Math 99 and Math 100 placement exam
- Tutor friend and coworker Madeline Grubich student of Columbia University with CSS and HTML