

Carlos Toxtli

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Website: carlostoxtli.com

20 years of experience in IT, CTO, Full Stack. AI Engineer, Software Engineer, HCI Researcher.

Twitter: [@ctoxtli](https://twitter.com/ctoxtli)

GitHub: [toxtli](https://github.com/toxtli)

Linkedin: [toxtli](https://www.linkedin.com/in/toxtli)

Lab: <https://humancomputerinteraction.wvu.edu/>

Education

West Virginia University (WVU)

2016 - Present: Ph.D. Student

International University Center (CUIN)

2015: Professor

Monterrey Institute of Technology (ITESM)

2013 - 2014: M.S. Innovation and Technological Entrepreneurship

IEDE Business School, European University

of Madrid

2012 - 2013: Master of Business Administration

University of the Valley of Mexico (UVM)

2009 - 2012: B.S. in Computer Systems Management

National Autonomous University of Mexico (UNAM)

2003 - 2009: B.S. Computer Engineering

Professional Experience



West Virginia University

2016 - present **Research Visiting Scholar & Graduate Research Assistant**



GitHub

2017 - present **GitHub Campus Expert**



Microsoft Research + AI

2017 **Research Intern**



Google

2015 **Technical Solutions Specialist**



Google

2014 - 2015 **Technical Program Manager**



YBot Studio

2016 **CTO**



HolaGus

2015 **CTO**



ComproPago

2013 - 2014 **Co-Founder & CTO**



United Nations

2011 - 2013 **Webmaster**



Aztek Technologies

2006 - 2011 **Co-Founder and CTO**

Skills

Programming: Python, JS, Java, HTML, CSS, PHP, SQL, R, C#, Ruby, Go, other

Data: SQL, NoSQL, Big Data, and BI engines.

DevOps: Cloud, Containers, Blockchain, other

AI: TensorFlow, Keras, SciKit, Caffe2, Pytorch. MLP, CNN, AE, RNN, DRL, DQN, GAN.

NLP: NLTK, SpaCy, OpeNER, Stanford NLP, Word2Vec, Online engines, others.

Hardware: Arduino, Raspberry Pi, Adafruit, Microcontrollers, PIC, Wearables, others.

Automation: Selenium, BeautifulSoup, FSM, Scrapy, Sikuli, Automator, Charles, others.

Other: Chatbots, CV, VR, Blockchain, Visualization, Web Scraping, Video & Audio 3D

Highlighted Awards

1st prize Google, Facebook & Intel dev contests

Medal of excellent at national level by MX gov

Highlighted Projects

Hum2Song AI turns human voice into music

DeepPiracy AI detects copyrighted videos

DeepStab AI Real-time video stabilization

ExperTwin AI Personal Search Engine Botnet

GoogleAppsProvisioning Google OS product

HAX Social media large scale visualization data

ConstruyeT Reading promotion platform for UN

DriveSync Tablets sync tool for MX by Google

HolaGus Most used digital concierge in MX

ComproPago Largest payment gateway in MX

Highlighted Research Papers

Understanding Chatbot-mediated Task Management, Canada, CHI, 2018

Enabling Expert Critique with Chatbots and Micro Guidance, CI, 2018

Full version on my website carlostoxtli.com