

Antonio de Jesús Anaya Hernández

Date of Birth: 05/04/1989

Nationality: Mexican

Location: Mexico, Chiapas, Tuxtla Gutierrez

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Languages: Spanish, English.

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[Portfolio](https://kny5.github.io/personal_portfolio): https://kny5.github.io/personal_portfolio

Work Experience:

Supplyframe/Hackaday/Field Ready
Pasadena, California, U.S.A

UX/UI, and prototype engineer

Remote Quality control system design for humanitarian aid products manufactured in the field.

US Embassy Mexico/Jacaranda Education
Chiapas, Mexico

Teacher, instructor,

Digital manufacturing and programming teaching for middle school indigenous students.

Ingenieria Estructural SA
Mexico City

Programmer,

Software development, CAD, and MDF calculations for Steel and concrete structures.

Unidad de Investigación y posgrado Facultad de Med. Vet. UNACH

Tuxtla Gutierrez, México

Programmer, software for daily production optimizations.

MIT Enterprise Forum de México
Guadalajara, Mexico

Assistant programmer,

Software tools development, and board member of the MIT OpenAg Mexico program.

Viega GmbH Americas/ TLM
Monterrey, Mexico

Industrial heating and cooling systems for marine platforms, in LATAM, using Pro Radiant products.

FEMSA PTM Visibilidad,
Monterrey, Mexico

Technical CAD-CAM Designer,

Product engineering, and manufacturing documentation

Education:

Massachusetts Institute of Technology

Certified as MIT Global Startup Labs entrepreneur directed by MIT postgraduate students.

Universidad Autónoma de Nuevo León

Completed 84 credits in Aeronautic Engineering

Winn Innovation

Design thinking and innovation certification directed by the World Design Organization America's chairman, and Stanford University professors.

Colegio de Educación Profesional técnica

Certified as a Construction Associate technician.

Instituto Tecnológico de Tuxtla

Certified as an Industrial Design Technician.

Volunteering:

Coder dojo Python online mentor at MediaLab Prado Madrid, Spain. 2020

Mentor at MIT LATAM vs COVID-19 Hackathon, 2020.

Duolingo global ambassador, English-Spanish events host. 2020

Judge and mentor at Campus Party Hackathon, and Ashoka Changemaker day. 2016

Acknowledgments:

Accepted for the FabAcademy 2021, a prestigious product development program directed by Neil Gershenfeld director of the MIT Center of bits and atoms at AgriLab UniLaSalle, in Beauvais France.

Accepted for a research internship at Mirai Innovation Research Institute, in Osaka Japan for their Emergent Future Technology program, 2022.

Granted by the Hackaday Prize 2020 Dream Team Member, selected from over a thousand professionals from around the world.

Granted 9th Place SAE Aero design West, UANL, Fort Worth, USA, 2008

Granted First Place Startup Weekend, Tuxtla Gutiérrez, Mexico, 2014

Granted First Place Endeavor Entrepreneur Bootcamp, Tuxtla Gutierrez, Mexico. 2014

Accepted by MIT International Science and Technology Initiatives to study at GSL Bootcamp, 2015

Accepted by Winn Innovation and Wayra Mexico to study at Design Thinking Workshop, 2015

Speaker at the annual congress of Coffee Researchers by Universidad Chapingo, "Design for innovation for the improvement of coffee production in Mexico". 2015

Semifinalist at the US dept. of State, Young Leaders of the Americas Initiatives Program. 2016

Board member of the MIT OpenAg, CityLab Mexico Project. 2017

Skills:

User-centered design, design thinking for innovation, digital/physical, product/service design, and User interaction.

Hardware and software prototyping, integration of electronics and enclosures for small scale manufacturing.

Programming, Graphical User Interfaces, scientific packages, 2D/3D engines, OS automation, databases, packaging and distribution, and version control.

Linux distributions: RHEL Workstation, Debian, Arch. 16 years of experience using Linux.

Raspberry Pi, STM32 boards, Arduino boards, electronics etching, basic analog circuit design, Arduino shield design, SMD, and THD.

SolidWorks, AutoCAD, Rhinoceros. 16 years of experience as CAD/CAM drafter.

CNC machining, FDM 3D printing, woodcraft and metalcraft tooling, plastic resin molds, arc welding.

Collaborative work, and remote workflow team administration.

References:

Ph.D. Jorge Gomez-Abrams
Chairman for America Region
World Design Organization
Mexico City, Mexico
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Jorge Reyes
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Projects:

https://kny5.github.io/personal_portfolio

[LinkedIn](#)

[Hackaday Prize 2020 Dream team](#)

[Corn sheller for MIT-DLAB](#)

[Hacking Diem Youtube Channel](#)

[Tlali precision agriculture project \(Avochallenge hackathon\)](#)

Press:

[Milenio news interview 2017](#)

[Cuarto Poder news paper interview](#)

[Photos, and documents repository.](#)

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