Alex V. Nunez

Electrical Engineer and Software Developer
Union, NJ, 07083

PROFILE

About me

Multidisciplinary Electronics Engineer and Software Developer with a strong foundation in automation, control systems, and full-stack web development. Proven experience in academic support, IT troubleshooting, and telecommunication systems.

Driven by a deep passion for technology and engineering, I've built my career at the intersection of electrical systems and IT. My professional experience has primarily focused on information technology within higher education institutions, where I've contributed to robust infrastructure and digital transformation initiatives.

I'm currently focused on expanding my expertise in emerging technologies like the Internet of Things (IoT) and artificial intelligence. My goal is to grow as a multidisciplinary engineer, combining electrical engineering and software development to create smarter, more connected systems, and I actively seek opportunities to expand my knowledge and hands-on experience in these areas.

Education

- **Essex County College**
  Software Development Technology, Newark, NJ
  Dec. 2021

- **Technical University of Ambato, Ecuador**
  School of Systems, Electronic, and Industrial Engineering
  Master in Automation and Control Systems
  Jul. 2019

- **Technical University of Ambato, Ecuador**
  School of Systems, Electronic, and Industrial Engineering
  Bachelor in Electronics Engineering and Communications
  Apr. 2015

Languages

- English
- Spanish

INTERESTS AND EXPERIENCE

Interests

- **Software Engineering**. With constant innovation in autonomous systems and artificial intelligence, we will undoubtedly see tremendous growth in software development. Therefore, software engineering is a field of great interest to me.
- **Machine learning**. Hand in hand with the new advances we have seen a great increase in the amount of information generated. Therefore, new systems are increasingly necessary to allow us to manage this information more efficiently. That is why machine learning is a new field of great potential.
- **Internet of Things (IoT)**. This is one of my favorite areas. Since it perfectly combines the two fields of interest to me, software engineering and electronics. Allowing me to work on the development of new automated devices.

Work experience

- **Essex County College, Newark, New Jersey**
  Sep. 2023 - Present

  Technical Support Engineer

- **Essex County College, Newark, New Jersey**
  Dec. 2021 - Sep. 2023

  Telecommunications Support Specialist

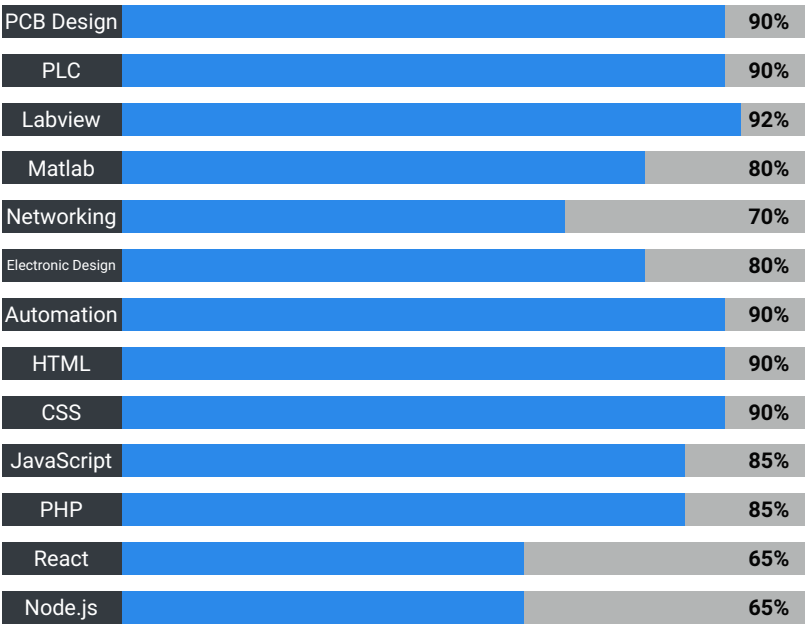- **Essex County College, Newark, New Jersey**
  Jul. 2021 - Dec. 2021

  IT Technician

- **Essex County College, Newark, New Jersey**
  Feb 2020- Jun 2024

  MATH & Computer Science Tutor

- **Siaproci Cia Ltda., Ambato, Ecuador**
  May 2017- Feb. 2018

  Project Manager Assistant

- **Technical University of Ambato, Ecuador**
  Nov 2014 - Oct 2015

  Lab. Assistant

SKILLS

Skill	Level
PCB Design	90%
PLC	90%
Labview	92%
Matlab	80%
Networking	70%
Electronic Design	80%
Automation	90%
HTML	90%
CSS	90%
JavaScript	85%
PHP	85%
React	65%
Node.js	65%

Python 65%

Android Studio 80%

CONTACT ME

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