Daniel Pistorino

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| I specialize in integrating IoT technologies with low power sensors to improve structural safety and enhance agricultural practices. My holistic approach integrates hardware and software solutions to bring meaningful data to the end user. With strong analytical skills, professionalism, and a collaborative mindset, I am committed to advancing impactful technologies. | |
| Modeling and simulation: PowerWorld, MATLab, Cadence Virtuoso, Cadence Designer, Altium Designer, Intel Quartus, LTSpice, WaveForms, and Blender.  Verification: multi-meters, oscilloscopes, network analyzers, signal generators, and soldering.  Prototyping: Arduino, Raspberry Pi, OnShape,  Tinkercad  Office skills: Microsoft Office suite and Notion. | Analysis: time and space complexity, pseudocode  Languages: C++, C#, Python, Java, Visual Basic  Data Storage: SQL  Web: HTML, CSS, Javascript  Tools: Visual Studio, CLion, PyCharm, Git, Jupyter  OS: Windows, Linux, and macOS  Teamwork: communication, adaptability, organization, synthesizing, and planning. |

Student Assistant (02/25/2025 to Current) University of Florida, Gainesville, FL

* Low power sensor network design and configuration based on ChirpStack and LoRaWAN.
* Sensor design for data collection.
* Project documentation.
* Data interpretation and plotting.
* Device installation and maintenance.

Assistant Surveyor (03/2021 to Current) P.A. Pistorino, Gainesville, FL

* Organizing the office record system by recording dates on a map reduced file lookup by 85%.
* Reporting status and submitting surveys to clients by email and through delivery.
* Data collection and line-of-sight measurement.

IT Consultant (03/2003 to Current) Self-employed, Gainesville, FL

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* Application of learned material by installing and configuring Microsoft clients and servers.
* Formulating solutions by diagnosing computer systems and enacting repairs.
* Synthesizing knowledge by connecting business requirements to existing solutions.
* Avoiding conflicts by maintaining regular and clear communication enhances customer satisfaction.
* Work happiness increased by taking ownership of challenging tasks.
* Accepting responsibility for failed solutions reduced future mistakes significantly.

Certifications CompTIA A+ – Computer Technician CompTIA Net+ – Network Technician   
 New Horizons – Gainesville, FL New Horizons – Gainesville, FL

Education Bachelor of Science (May 2025) – 3.46 GPA

Electrical Engineering major, Computer and Information Science and Engineering minor University of Florida – Gainesville, FL

Associate of Arts (May 2019) – 3.26 GPA

General Studies

Florida Gateway College – Lake City, FL

Associate of Science (August 2015) – 3.74 GPA

General Studies

Ohio University – Athens, OH

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