

Anthony M. DiTano

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EDUCATION

B.S., Electrical Engineering

Villanova University

Relevant Coursework: Microcontrollers · Medical Device Technology · Analog Electronics · Digital Systems · Electrical Communications

May 2027

Villanova, PA

EXPERIENCE

Test Engineering Intern

Intervala, LLC

- Operated, programmed, and repaired flying-probe, ICT, and customer fixtures on PCBAs for military, medical, and data-center work under ITAR and EAR
- Tuned flying-probe programs to cut false failures by isolating probe access, fiducials, and tolerances from real board faults
- Owned bring-up of a customer's custom computer and test fixture: learned the system end-to-end, wrote and document-controlled the test procedure, and trained technicians
- Partnered with the customer, test engineers, and technicians to refine the process and repair worn fixture hardware
- Built custom cables, programmed cable test fixtures, and installed new test equipment

May 2026 – August 2026

Mount Pleasant, PA

eLearning Student Operator

Villanova University — College of Engineering

- Record 200+ cumulative hours of master's and PhD engineering classes with dual-camera AV, room mics, and lavaliers
- Run live Zoom sessions and resolve professor computer and classroom AV issues in real time

Fall 2024 – Present

Villanova, PA

Computer Technology Support Intern

Sewickley Academy

- Set up iPad MDM; imaged and installed desktop towers and phones; deployed 30+ handsets and 12 touch displays
- Configured network switches, ran fiber across buildings, and troubleshooted Microsoft Active Directory

June 2023 – August 2023

Sewickley, PA

E-commerce Operations and IT Specialist

Barno Electronics

- Supported government-contract packaging then listed stock on the company site and eBay
- Migrated 20+ year-old workstations and QuickBooks data; installed printers, Wi-Fi, and hardwired AI IP cameras

Fall 2021 – Spring 2023

Boston, PA

PROJECTS

AI Assistive Device for the Visually Impaired — Team Lead & Hardware Lead

Villanova University

- Lead hardware for a wearable that detects nearby objects and alerts the wearer before a collision
- Built Jetson Orin Nano Super platform (JetPack 6.2) with battery, camera, mic, and speaker; hardware complete, vest integration in progress
- Includes a microphone path to a vision-language model for higher-level scene understanding and navigation
- Early detection and depth demo ~13 FPS at 720p before optimization; own sensor research, bring-up, and team documentation

Spring 2026 – Present

Villanova, PA

LEADERSHIP & ACTIVITIES

Student Member, Multimedia & Classroom Technology Working Group

Academic Technology Governance Committee — Villanova

- Help set priorities and review standards for campus multimedia and classroom tech

Fall 2026 – Present

Villanova, PA

ADS (Access and Disability Services) Senator

Villanova University

- Pushed accessibility fixes: dietary-restriction dining options, elevators, automatic doors, and exterior concrete pads

Fall 2025 – Present

Villanova, PA

ACS Student Advisory Council

Villanova University

- Advise required first-year Augustine and Culture Seminar; interview ACS department hire candidates

Fall 2025 – Present

Villanova, PA

Delta Alpha Pi Honor Society & LEVEL Member

Villanova University

Fall 2024 – Present

Villanova, PA

SKILLS

Test/Hardware: Flying probe · ICT · custom fixtures · cable test · test procedures · board-level debug · soldering · oscilloscopes

Embedded/Edge: Jetson Orin · JetPack 6.2 · edge vision hardware · CUDA platforms

Engineering Tools: SolidWorks · AutoCAD · LTspice · Intel Quartus Prime · MATLAB · Git

Languages: C · Java · VHDL

Systems: Linux · MDM · Active Directory · networking and fiber · AV production