Vincenzo "Enzo" Damato

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Education

Rice University, Bachelor of Science in Computer Science **Expected Graduation May 2027**

Work Experience

President, Rice Telecom Corporation (Houston, TX) **May 2023 – Present**
- Wrote clustered carrier-grade Class 5 softswitch suitable for PSTN interconnection. Stable at 250+ active calls.
- Completed facilities-based CLEC certification process in both NY and TX without an external consultant. (Certified by TX state Administrative Law Judge as youngest person in Texas state history to achieve)
- Accomplished all regulatory and technical steps to request and stand up a 10K block from NANPA.
- Negotiated fully IP based CLEC interconnection agreement without a 3rd party TDM homing company.
- Developed fixed-mobile converged switch system, combining 2G, 4/5G, and fixed voice clients.

Network Services Intern & CS instructor, Rice University (Houston, TX) **August 2024 – Present**
- Selected as first pilot intern for new networks department internship program due to prior experience.
- Responsible for configuration, deployment, and monitoring of 1,000+ wireless access points.
- Designed, configured, and deployed new data center row, including building 40GB/s switching fabrics and edge peering routers.
- Developed and instructed a credit-bearing Rice University student-taught course in mainframe computing.
- Covered TSO/ISPF, COBOL programming, JCL, and CICS.

Research Intern, Rice University RENEW Lab (Houston, TX) **April 2024 – August 2024**
- Selected as lead summer research intern at NSF-funded 6G radio development lab.
- Developed performance profiling and measurement suite for 5G CUDA-based o-ran network and radios.
- Developed automated test suite for 5G o-ran core networks and FPGA-based radio prototypes.
- Supervised lab network infrastructure and Linux systems.

President, Orange Country Technology Services (New Windsor, NY) **January 2017 – January 2023**
- Incorporated MSP to help local area small businesses and nonprofits with networking and IT needs.
- Installed 3 AP managed WiFi system at FDNY firehouse Engine 44.
- Designed and implemented several dozen small business networks, including complex multi-site deployments.
- Created custom Windows cleaning and repair automation program.
- Designed and implemented 50+ IP surveillance systems, ranging from single camera to multi-site systems.

Project Experience

AS25944 (Public Autonomous System) / Lab Systems Administrator **January 2017 – Present**
- Installed a 5-node KVM virtualization cluster with real-time fail-over and high availability features.
- Installed and managed fiber channel storage area network, including automated tape backups.
- Deployed open-source Linux-based identity and authentication system with Kerberos, web SSO, and smart card authentication, along with a global AFS file system.
- Developed and maintained public Linux mail servers with a custom-built AI spam filter, hosted on own IP space.
- Configured numerous common development and enterprise tools and services (30+).
- Deployed multi-site, publicly routable, IX peered ASN as backing network (AS25944).

IBM Mainframe Thought Leader **March 2022 – August 2023**
- Recognized as youngest person to set up a mainframe successfully globally.
- Invited as a guest speaker at both the SHARE and IBM zDay conventions, with best speaker award.
- Handled all logistics and physical installation concerns, including rewiring internal power systems.
- Built custom DASD unit using Linux, work incorporated into Linux IO project kernel drivers.
- Successfully installed and configured all major mainframe operating systems (z/OS, Z/VM, VSEn).

Skills

- Linux systems administration
- JavaScript and front end web development
- C language development
- Postgres and SQL databases
- Python

- VoIP & softswitch development
- Virtualization and enterprise storage development and administration
- Mainframe systems and applications programming

- Virtualization and enterprise storage development and administration
- Docker/Kubernetes
- Golang development
- Networking/routing/BGP