Daniel Gisolfi

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Education

- **Marist College** — Poughkeepsie, NY
  Bachelor of Science in Computer Science; Minor in Cyber Security & Information Technology — *Expected May 2020*
  - GPA: 3.12/4.00

Experience

- **IBM/Marist Joint Study** — Poughkeepsie, NY
  Honeynet & Blockchain Researcher — *January 2018 - Present*
  - Researching malicious attacks and possible vulnerabilities by creating honeypots to gather attack data.
  - Created a real-time data pipeline to provide machine learning and data analytic tools with malicious attack data.
  - Wrote and implemented a custom API to serve as a point of integration with a web dashboard for a data pipeline.
  - Developed a data analytics tool for graphing, plotting, and analyzing incoming attacks across multiple honeypots.
  - Researched distributed ledger technologies concepts and developed a public/permissionless blockchain asset to explore the technology as a data management utility.
  - Developed a real time web UI to illustrate a dynamic network of peers on a Blockchain ledger.
  - Served as the Docker SME for the IBM/Marist Joint Study; Educated colleagues and containerized all projects using Docker.

- **Marist College Information Technology** — Poughkeepsie, NY
  Help Desk Operator — *June 2016 - May 2018*
  - Supported college faculty, staff, and students in person, on the phone, and via e-mail.
  - Created customer service requests using a mainframe deployed Help Desk Processor application.
  - Conducted problem determination for various technologies across campus.
  - Trained Incoming IT support student employees.

Research

A HoneyNet Environment for Analyzing Malicious Actors

- Publishing paper and presenting research at **IEEE MIT Undergraduate Research Technology Conference** 2018, Boston, MA.
- Presenting research at **IBM TechConnect** 2018, Poughkeepsie, NY.

LCARS: Lightweight Cloud Application for Realtime Security

- Presenting LCARS rebuilt from the ground up at **NYIT Annual Cybersecurity Conference** 2018, New York, NY.

Essential Blockchain

- Presented research on the essentials of Blockchain as a data structure at **Enterprise Cloud Computing 2018**, Poughkeepsie, NY.

Personal Projects

- **Marist Classroom Directory**
  - Used PHP to create an interactive web application for Marist Information Technology Department
  - Gathered data and created a database for reference by the Marist Help desk
- **Chatbot API**
  - Created a REST API using Flask with Python to accept incoming requests from bots.
  - Deployed using Docker allowing for a clustered architecture that allowed additional instances to distribute traffic.
  - Published API on Digital Ocean Cloud to allow for future projects, such as creating chat bots, to send and receive data to users.
- **Language Development Environments**
  - Created nine Docker images to serve as development environments for legacy and modern programming languages.
  - Source code made available on GitHub with documentation to assist myself and classmates with compiling assignments for the Theory of Programming Languages Class at Marist College.