Kyle R. Timmermans
NYU Cybersecurity Master's Program '23
ASPIRE Scholarship Recipient (NYU)
Fordham University '21
Computer Science Major
Cybersecurity Minor
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Pelham, New York - 10803

EDUCATION

Fordham University	**Bronx, NY**
Major GPA: 3.20	May 2021
Minor GPA: 3.70	

Pelham Memorial High School '17	**Pelham, NY**
Regents Diploma, Advanced Designation	June 2017

Relevant Course Work	**Fordham, NY**
	August 2017 – May 2021

- Cybersecurity and Applications
- Secure Cyber Networks
- Data Communication and Networking
- Forensic Computing
- Cyberspace: Issues and Ethics
- Computer Science I and II (Basic & Advanced C++)
- Theory of Computation
- Computer Algorithms
- Web Development (PHP, MySQL, CSS, HTML)
- Database Systems
- Operating Systems
- Information and Data Management
- Software Engineering

Cybersecurity Experience	**Fordham, NY**
	August 2017 – May 2021

- Splunk Fundamentals
- Lansweeper
- Wireshark
- Burp Suite
- Bettercap
- Nmap
- Kali Linux

CVE PUBLICATION

I found a vulnerability in the Learning Management System, Blackboard. I completed a write-up about the issue and followed the necessary steps in having it published by MITRE and NIST. It was given the enumeration: CVE-2020-9008. The publication can be found at https://nvd.nist.gov/vuln/detail/CVE-2020-9008 and the write-up is located at https://github.com/kyletimmermans/blackboard-xss/blob/master/CVE-2020-9008.md.

Programming Experience

I have been programming for my major requirement classes at school and continue to program on my own. All of my works/projects can be found at https://www.kyles.world/pages/projects.html.

WORK AND LEADERSHIP EXPERIENCE

Decipher Technology Studios   **Alexandria, VA**
DevOps Security Intern   May – August 2020

- Implemented the use of Open Policy Agent into a service mesh infrastructure in order to help protect sensitive information and Restful API endpoints
- Designed and wrote policies in the Rego programming language for Open Policy Agent
- Applied the FIPS 140-2 encryption standard to a service mesh built on top of Envoy proxy to ensure FIPS compliance
- Wrote a small Kubernetes config sanitizer in GoLang for security purposes
- Completed official documentation for projects in Markdown using GitBooks
- Presented work in several product review meetings (SCRUM Meetings – Agile Development)
- Used Throughout Internship: Docker, Kubernetes, Envoy Proxy, Git, Bazel, k3d, CircleCI, Helm Charts, Curl, Linux Command Line

Pico Quantitative Trading LLC   **Chicago, IL**
Information Security Team Intern   July 2019

- Created Company Information Security policies including Bluetooth device security and Virtual Machine policies
- Created reports for data collection and organization in Lansweeper by writing SQL scripts that search and organize host information across several Pico networks
- Used PowerShell scripts to streamline network tasks
- Performed GRC Incident and InfoSec compliance work
- Used Microsoft Excel (Pivot Tables) to log Security Incident Reports back to 2016 up until 2019, organized and compiled statistics on elements such as: *Risk Type*, *Severity*, and *Affected Parties*
- Compiled data into a readable summary in Microsoft PowerPoint to represent crucial data trends for Information Security Reports used by the InfoSec team
- Studied SANS institute InfoSec Policies
- Utilized Microsoft Visio to create detailed virtual schematic models of different networks and devices operated by Pico

Elevated Computing   **Manhattan, NY**
Information Technology Intern   July – August 2014

- Undertook computer science research related to networks and communications
- Responsible for server management and creation of Linux server (Cent OS)
- Utilized Nagios XI to monitor health of client networks/servers
- Provided IT support to client's employees, including both phone and remote desktop support

Department of Immunology & Microbiology, New York Medical College   **Valhalla, NY**
Research Assistant   July – August 2015

- Performed bench research related to DNA toxoplasmosis parasite known as *T. Gondii*
- Used methods such as Polymerase Chain Reaction and Gel Electrophoresis
- Attended a conference related to research
- Drafted research paper summarizing research results

Fordham Preparatory School   **New Rochelle, NY**
Assistant Rowing Coach   May – August 2018

- Driving students to and from the Fordham Prep campus, boathouse, and New Rochelle train station in a Fordham Prep bus
- Driving boat launch alongside rowers whilst coaching
- Working with 50+ student athletes to ensure safety and proactivity
- Responsible for organizing and maintaining rowing equipment
- Created lineups for Freshman, JV, and Varsity sweeping and sculling boats

VIP Beach Club   **New Rochelle, NY**
Front Gate Security   May – August 2017 & 2018

- Signing in club guests and checking identification
- Charging guests at the register in order to add funds to their respective accounts
- Working with management and guests directly in order to ensure quality of life at the club
- Guest-Club relations

Huguenot Memorial Youth Group   **Pelham, NY**
Mission Trip Member   July 2015 & 2016

- Organized a Spanish class in June of 2015 for participants in an upcoming volunteerism trip to Nindiri, Nicaragua
- Traveled to Nindiri in July 2015 & 2016 to build homes for impoverished local Nindiri families

COLLEGE ACTIVITIES AND AFFILIATIONS
Computer Science Society:
  Active Member since February 2019
  Robotic building with Arduino boards
  Presented in student-run Cybersecurity presentation

Fordham Men's Rowing Team:
  Rowing every season since Freshman year
  Gold Medals at Metropolitan Regatta (2017, 2018, 2019)
  Bronze Medal at Head of the Housatonic (2017)
  Experience rowing collegiate Pair, Double, Four, and Eight Boat

Fordham University Emergency Medical Service (FUEMS)
  Hands-on **CPR Training**
  Basic Life Services (BLS) Training taken at Rose Hill Campus
  Working towards being a part-time EMT

Personal Interests

- Studying Italian and Russian Language
- Computer Programming: https://www.kyles.world/pages/projects.html
    - Python, C++, JavaScript, Bash, HTML, CSS
- Crew (Rowing): 9 years
- Soldering & Arduino
- Skiing & Snowboarding