

**Kyle R. Timmermans**  
Fordham University '21  
Computer Science Major  
Cybersecurity Minor  
[ktimmermans@fordham.edu](mailto:ktimmermans@fordham.edu)  
Pelham, New York - 10803

## **EDUCATION**

**Fordham University**  
**Major GPA: 3.33**  
**Minor GPA: 3.70**

**Bronx, NY**  
May 2021

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

**Pelham, NY**  
June 2017

## **Relevant Course Work**

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

**Fordham, NY**  
August 2017 – May 2020

## **Cybersecurity Experience**

- Splunk Fundamentals
- Lansweeper
- Wireshark
- Burp Suite
- Bettercap
- Nmap
- Kali Linux
- Python3

**Fordham, NY**  
August 2017 – May 2020

## **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. I have mainly worked in Python, C++, and JavaScript with several different libraries. All my works can be found at <https://github.com/kyletimmermans>

## **WORK AND LEADERSHIP EXPERIENCE**

**Decipher Technology Studios**  
*DevOps Security Intern*

**Alexandria, VA**  
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
- Used Throughout Internship: Docker, Kubernetes, Envoy Proxy, Git, Bazel, k3d, CircleCI, Helm Charts, Curl, Linux Command Line

**Pico Quantitative Trading**  
*Information Security Team Intern*

**Chicago, IL**  
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**  
*Paid Summer Intern*

**Manhattan, NY**  
July – August 2014

- Undertook computer science research related to networks and communications
- Responsible for server monitoring in *Nagios XI*
- Creating Linux Server in Cent OS
- Provided IT support to client's employees, including phone support and Remote Desktop support

**Department of Immunology & Microbiology, New York Medical College**  
*Research Assistant*

**Valhalla, NY**  
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

**Assistant Rowing Coach**  
*Fordham Preparatory School*

**New Rochelle, NY**  
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

**Front Gate Security**  
*VIP Beach Club*

**New Rochelle, NY**  
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**  
*Mission Trip Member*

**Pelham, NY**  
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://github.com/kyletimmermans>
- Python, C++, JavaScript
- Crew (Rowing): 8 years
- Soldering and Arduino
- Skiing / Snowboarding