Joseph Fitzgerald

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EDUCATION

Syracuse University   **Syracuse, NY**
Bachelor of Science in Computer Engineering   *June 2020*

PROFESSIONAL EXPERIENCE

Syracuse University   **Syracuse, NY**
Research Assistant – Volunteer   *September 2017 – November 2017*

- Research Paper: TruZ-Droid: Integrating TrustZone with Mobile Operating System
- Integrated Trusted Execution Environment (TEE) and Android OS to allow non-vendor applications to leverage TEE and protect user privacy and data
- Developed an understanding of secure hardware-protection for non-vendor applications, further enhancing self-awareness on protecting security vulnerabilities

EMPLOYMENT HISTORY

Target Corporation   **Hicksville, NY**
Guest Advocate   *November 2020 – Present*

- Perform a variety of tasks including customer assistance, cash management, disinfection of store equipment and stocking

Robert Moses State Park   **Fire Island, NY**
Field Worker   *June 2018 – November 2020*

- Performed maintenance of beach front and park facilities and participated in wildlife preservation
- Collaborated with team members on park projects
- Provided support to patrons and enhanced visitor experiences

ORGANIZATIONS

Syracuse University   **Syracuse, NY**
Orange Hacker's Association (OHA) – Club Member   *2018 - 2019*

- Employed knowledge in computer applications toward cybersecurity
- Engaged with graduate students in analyzing cybersecurity problems in the modern world

Syracuse University   **Syracuse, NY**
Information Security Club (ISC) – Club Member   *2018 - 2019*

- Competed in Collegiate Cyber Defense Competition (CCDC)
- Competed in National Cyber League (NCL)

AWARDS & ACKNOWLEDGMENTS

Syracuse University   **Syracuse, NY**
Junior Lab Design Project   *April 2018*

- 3rd place in Junior Lab design final project competition

National Cyber League   *2018*

- Bronze League in the 2018 Spring Regular Season

TECHNICAL COMPETENCIES

Programming Languages

- C++, Java, Python, C#, C, HTML, CSS, JavaScript, VHDL

Software Platforms

- Oracle VM VirtualBox, various IDEs, AutoCAD, Microsoft Suite, ModelSim, Quartus Prime