

Joseph Fitzgerald

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EDUCATION

Syracuse University <i>Bachelor of Science in Computer Engineering</i>	Syracuse, NY <i>May 2020</i>
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PROFESSIONAL EXPERIENCE

Syracuse University <i>Research Assistant – Volunteer</i>	Syracuse, NY <i>September 2017 – November 2017</i>
<ul style="list-style-type: none">Research Paper: TruZ-Droid: Integrating TrustZone with Mobile Operating SystemIntegrated Trusted Execution Environment (TEE) and Android OS to allow non-vendor applications to leverage TEE and protect user privacy and dataDeveloped an understanding of secure hardware-protection for non-vendor applications, further enhancing self-awareness on protecting security vulnerabilities	

EMPLOYMENT HISTORY

Target Corporation <i>Guest Advocate</i>	Hicksville, NY <i>November 2020 – Present</i>
<ul style="list-style-type: none">Perform a variety of tasks including customer assistance, cash management, disinfection of store equipment and stocking	
Robert Moses State Park <i>Field Worker</i>	Fire Island, NY <i>June 2018 – November 2020</i>
<ul style="list-style-type: none">Performed maintenance of beach front and park facilities and participated in wildlife preservationCollaborated with team members on park projectsProvided support to patrons and enhanced visitor experiences	

ORGANIZATIONS

Syracuse University <i>Orange Hacker's Association (OHA) – Club Member</i>	Syracuse, NY <i>2018 - 2019</i>
<ul style="list-style-type: none">Employed knowledge in computer applications toward cybersecurityEngaged with graduate students in analyzing cybersecurity problems in the modern world	
Syracuse University <i>Information Security Club (ISC) – Club Member</i>	Syracuse, NY <i>2018 - 2019</i>
<ul style="list-style-type: none">Competed in Collegiate Cyber Defense Competition (CCDC)Competed in National Cyber League (NCL)	

AWARDS & ACKNOWLEDGMENTS

Syracuse University <i>Junior Lab Design Project</i>	Syracuse, NY <i>April 2018</i>
<ul style="list-style-type: none">3rd place in Junior Lab design final project competition	
<i>National Cyber League</i>	<i>2018</i>
<ul style="list-style-type: none">Bronze League in the 2018 Spring Regular Season	

TECHNICAL COMPETENCIES

Programming Languages
<ul style="list-style-type: none">C++, Java, Python, C#, C, HTML, CSS, JavaScript, VHDL
Software Platforms
<ul style="list-style-type: none">Oracle VM VirtualBox, various IDEs, AutoCAD, Microsoft Suite, ModelSim, Quartus Prime