

# Joseph Fitzgerald

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## EDUCATION

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

## PROFESSIONAL EXPERIENCE

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**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

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**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

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**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

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

- 3<sup>rd</sup> place in Junior Lab design final project competition

*National Cyber League* *2018*

- Bronze League in the 2018 Spring Regular Season

## TECHNICAL COMPETENCIES

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### Programming Languages

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

### Software Platforms

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