

ALEXANDER TEDESCHI

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EDUCATION

Florida State University , Tallahassee, FL	2022
Master of Science, Computer Network and System Administration	
Florida State University , Tallahassee, FL	2021
Bachelor of Science, Computer Science	GPA: 3.65
<i>Minor in Mathematics and Biology</i>	
Smithfield High School , Smithfield RI	2018

WORK EXPERIENCE

Florida State University Computer Science Dept , Tallahassee, Florida	2020-Present
<i>Computer Science Systems Group Member</i>	
<ul style="list-style-type: none">• Lead physical server and network upgrades• Help students with services and department accounts• Develop and deploy departmental software solutions• Created a website with an integrated MYSQL database for inventory tracking• Created a front and backend web service that tracks IP addresses in the domain	
Samsonite International S.A. , Mansfield, MA	2018-2020
<i>IT Intern</i>	
<ul style="list-style-type: none">• Help diagnose and solve technical issues at the corporate office• Manage company asset engines• Manage company licensing for software• Image Windows computers and create user entries on Windows Server using Active Directory• Assist the SAP help desk via Jira• Cut \$30,000 in unnecessary spending from Samsonite's Microsoft Licenses	
Rhode Island Magic , Providence, RI	2016-Present
<i>Technology/Event Management</i>	
<ul style="list-style-type: none">• Produce and edit highlight films for potential college athletes• Develop and update the company website• Run tournament sites for season tournaments	

SOFTWARE PROJECTS

Image Annotation using Snapchat and Google Location Data	2022
<ul style="list-style-type: none">• Python script that takes location data collected from Snapchat and Google to annotate local images that lack proper metadata• Full GUI and success tracking are integrated as well• Became an active contributor to the Pillow library for python	
Fantasy Baseball Stat Predictor	2022-Present
<ul style="list-style-type: none">• Python program that uses statcast data from the past 7 years of the MLB to find correlation between specific advanced metrics and fantasy success.• Ballpark factors and individual predictions to be added	
Roulette	2020

- Full multiplayer Java GUI that allows users to collect a bankroll, place any legal roulette bet, and change chip denominations for bets.

BMP Parser 2022

- Python program that parses BMP files of different bits per pixel and converts the images into DIB arrays of just pixel data based on the header specifications

Image Interpolator 2020

- C++ project that interpolates images when expanded to a bigger size
- Interpolation is done with a given nearest neighbor algorithm, or custom built linear, bilinear, or bicubic algorithms

Department Asset Checkout System 2021

- Full stack program that tracks department assets as they are removed and brought back to campus
- Python front-end displays form to fill out about the asset and user with HTML.
- Script additionally handles requests and additions. Queries to specific entries allowed. Input sanitization included.
- MYSQL back-end handles queries and allows for both the creation, updating, and deletion of entries.

WLAN and LAN Tracker 2022

- Full stack program that logs and updates network activity in the department
- Python front-end displays username, IP, MAC, first time they connected, and last time they connected with HTML.
- Script additionally handles requests and additions. Queries to specific users, IP, or MAC addresses allowed. Input sanitization included.
- MYSQL back-end ensures proper requests and entries are made
- Script runs on 10 minute intervals using cronjobs

SKILLS

- **Languages:** Python, C++, Java, Bash, SQL, HTML, CSS
- **Work and Control Systems:**
 - Git (Florida State Systems)
 - SAP (Samsonite)
 - Jira (Samsonite)
 - ManageEngine AssetExplorer (Samsonite)
- **Operating Systems:**
 - Windows (Samsonite, Florida State Systems)
 - Windows Server (Samsonite, Florida State Systems)
 - Rocky Linux (Florida State Systems)
 - popOS (Florida State Systems)
 - CentOS (Florida State Systems)
 - macOS (Samsonite)
- **Other:**
 - Adobe Suite
 - Microsoft Suite
 - PyCharm, VSCode, CLion, JetBrains

