Marsel Fetlyaev

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Education

University of South Florida– Tampa, FL   **Graduating May 2025**
Bachelor of Science in Computer Science, GPA: 3.31
Relevant coursework: Data Structures, Essentials of Computer Science, Calculus 1 and 2

Projects

Brilliant Mates - Game Developer | Personal Project
Code on GitHub
- Developed a two-player chess game with several editing features in **Python** and **SQLite**
- Followed an Object-Oriented design for chess piece creation and modification with classes and functions
- Optimized the efficiency using **Data Structures** such as dictionaries and sets
- Utilized **pygame, tkinter, and pyexe** modules for a full downloadable game with GUI and two player interaction

Beam Calculator - Lead Software Developer | Team of 2 (Waleed Aleem and I)
Code on GitHub
- Created an Engineering Beam Calculator in Python for measuring forces across several types of beams
- Led the team by distributing the workload and organizing provided math into **functions for dynamic graphs**
- Used **Git** workflow effectively to merge and update code over time
- Utilized **matplotlib and tkinter** modules for multiple graphs of information for the beam and purposeful **UI and UX**

Experience

iD Tech Camps   **Remote**
Online Prive Lessons Tutor   **May 2021- Present**
- Provided education and fundamental knowledge in **JavaScript, Python, Roblox & Lua,** Scratch, and Chess
- Created several curriculums adjusted to different types of students based on previous experience
- Led and guided students to create video game projects and publish to websites and the Roblox platform

Williams Communications   **Tallahassee, FL**
Computer Networking Intern   **Mar 2021 - Present**
- Built an automation system for Cisco Switches to gather configuration information and track data
- Implemented multiple **Python** scripts to track the trunking speed of switches over time
- Organized an Excel spreadsheet using the data to create a more in-depth process of troubleshooting
- Created a more efficient system for code to complete the work other employees used to manually do

Code Ninjas - Software Development Tutor | Burke, VA   **Burke, VA**
Software Development Tutor   **Oct 2019 – Apr 2021**
- Led a positive and safe environment in which students can grow
- Educated students in a group setting several programming languages, including **Python, JavaScript, and Lua**
- Followed a specific curriculum and ensured the satisfaction of all students

Technical Skills

- Programming languages: Python, HTML/CSS, JavaScript, React Native, SQL, Lua
- Tools & Frameworks: Git, Linux, Microsoft Office,Firebase, CI/CD
- Certifications: CodePath Certificate in Software Engineering (June 2022 - August 2022)