

Marsel Fetlyayev

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EDUCATION

Bachelor of Science in **Computer Science** – *University of South Florida*

Graduating May 2025

Relevant Coursework: *Data Structures, Program Design, Object Oriented Programming*

GPA: 3.4 /4.0

TECHNICAL SKILLS

- Programming languages: Python, C/C++, JavaScript, React, HTML/CSS, SQL, Lua, NodeJS
- Tools & Frameworks: Git, Figma, MySQL, MongoDB, Firebase, Linux, Microsoft Office, CI/CD, REST API
- Certifications: AWS Certified Cloud Practitioner, CodePath Certificate in Software Engineering

EXPERIENCE

Williams Communications, Inc. - *Software Engineer*

March 2021 – Present

- Creating **Python** scripts with Matplotlib and SSH, increasing speed of data retrieval and analysis by **90%**
- Integrating cloud backup script using Python and Netmiko that automates the backup of **Cisco** devices weekly
- Designing an interactive **GUI** system using Tkinter for **Cisco Routers and Switches** to display statistics regarding current speed of ports on a dynamic graph and **Excel** spreadsheet

iD Tech Camps – *Software Development Tutor*

May 2021 – October 2023

- Implemented project-based learning system in 1-on-1 lessons to enhance understanding of **JavaScript, Python, Roblox & Lua**, and Chess resulting in **60%** higher engagement among participants
- Assisted students in debugging and overcoming coding challenges, fostering a supportive learning environment that resulted in successful completion of their projects and increased programming proficiency

PROJECTS

Financify (React, JavaScript, Tailwind CSS, Axios, NodeJS, AWS RDS with MySQL)

August 2023 – Present

- Developing a personal finance website using **React** to enhance financial tracking of income and expenses for users, resulting in a **30%** decrease of time spent accounting and a **40%** reduction in unnecessary expenses
- Integrating a **RESTful API with Axios, NodeJS, and Express**, connecting the users' entry database to each client, resulting in an organized finance structure for analysis and improvement
- Designing the user interface and experience with **Tailwind CSS**, resulting in a visually appealing and user-friendly interface, boosting engagement and satisfaction by **40%**.

Recipe Lab (JavaScript, React Native, Google Vision, Git)

March 2023 – April 2023

- Built a recipe suggestion mobile app in **React Native** that allows users to find recipes more efficiently based on ingredients they have in their fridge, scanning an image and converting it to a list using **Machine Learning**
- Collaborated with talented peers at the SHPE hackathon called Hackabull, successfully completing the workload in **only 24 hours** by using effective continuous integration and deployment in **Git** workflow

Brilliant Mates (Python, SQL, Pygame, Pyexe, Tkinter)

January 2022 – August 2022

- Developed a two-player chess game in Python to allow players to analyze and review chess games
- Utilized **pygame, tkinter, and pyexe** for a full downloadable game with GUI and two player interaction using an **SQLite** database for storing and retrieving game scenarios

LEADERSHIP

VP of Technology – **Society of Hispanic Professional Engineers (SHPE)**

April 2023 – Present

- Coordinated **10+** tech events on topics such as coding fundamentals and technical interviews with **500+** total attendees to prepare members for future interviews and hackathons
- Orchestrating a 12-hour hackathon with 6 other on-campus organizations by managing logistics and fundraising over **\$3500** for the event to introduce hackathons to first-time hackers

Hackathon Director – **Society of Hispanic Professional Engineers (SHPE)**

January 2023 – March 2023

- Arranged an educational workshop for video game development in Unity and C#, presenting it to **50+** students