

Personal Info

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[LinkedIn](#)
[GitHub](#)
[My-Website](#)

Skills

- Git
- APIs

Software

- Windows
- Linux

Frameworks

- CodeIgniter
- React
- Python Flask
- AWS
- Drupal
- Bootstrap

Languages

- HTML
- CSS
- XHTML
- PHP
- JavaScript
- Python
- C#
- Java
- SQL
- SQL Alchemy
- MySQL
- MSSQL
- R
- MATLAB

Felix Fernandez

Innovative, deadline-driven Full Stack Developer with 4+ years of experience with a passion for technology and problem solving. A creative and organized coder, simplifying processes to make them more efficient for the client. A motivated self-learner, staying current in the relevant skills of today with the aptitude and interest to learn older languages when needed to maintain or update current systems.

Work Experience

Full Stack Developer (Computer Programmer)

Sept.2019 — Present

Southern Connecticut State University | 501 Crescent St, New Haven, CT 06515

- Programmed and updated web apps, department website(s), applications, and databases.
- Restructured and redesigned web apps to improve integration with databases.
- Created and edited forms for upload on multiple servers and websites.
- Consolidated 12 databases into a single comprehensive database to enhance workflow and application maintenance.
- Maintained and managed the Guest Sign-in System utilizing PHP and MySQL databases.
- Updated and managed the Student Staff Portal using JavaScript.
- Managed and updated Student Sign-in System, incorporating APIs for data retrieval and Cron-Jobs for data pushing and process automation.
- Modified and maintained the Staff Admin Portal, debugging and modifying the schema for improved onboarding of new staff.
- Successfully upgraded the entire system to a new server.
- Developed and updated websites, both front and back end.
- Implemented Cron Jobs on Linux to generate notification actions.
- Created a fully functional developer instance for testing purposes, ensuring separation from live sites.
- Implemented Git for system backups.
- Documented processes using Confluence.
- Currently leading a team of developers in the department.
- Providing training to new student programmers in the Department of Residence Life.

Education

MIT

Certificate in Data Science Machine Learning

- Top 10 student

Southern Connecticut State University

Bachelor of Science in Computer Science

- Math minor

UCONN

Associate of Engineering in Mechanical Engineering

Felix Fernandez

(203) 691-0817 | fj99.fernandez@gmail.com | <https://fj99.github.io/My-Projects/>

Proficiencies

- Written and Verbal Communication
- Security and Encryption protocols
- SQL like languages
- Internet Standards
- MVC Frameworks

Extra Curricular

Computer Science Club

- CS students given 2 problems per week to solve
- Talk about new concepts
- Troubleshoot problems

CS Peer Tutoring

- For Algorithms of Software Design and Development Course

Projects

Staff Admin Portal (SAP)

- Crafted with CodeIgniter 4, a PHP framework
The Staff Administration Portal is a web application streamlining employee permission management within the Residence Life system.
- Showcased on GitHub — <https://fj99.github.io/My-Projects/SAP/>

Air Message

- Instant messaging web application
Developed an encrypted end-to-end instant messaging web application using Flask and Socket.io for real-time communication. Users create a username and join chat rooms using a room number, preventing packet capture software like Wireshark from intercepting network packets.
- Built using python HTML, CSS, JavaScript, Flask and Socket IO
- Showcased on GitHub — https://fj99.github.io/My-Projects/Python_Chat/

Daycare System

- Daycare web application
Developed a website for parents to register, sign in, provide contact details, and enroll their children in daycare while facilitating communication with assigned caretakers. Employees can also register, sign in, and view their work schedules and assigned children's information.
Built using HTML, CSS, PHP, JavaScript
- Showcased on GitHub — https://fj99.github.io/My-Projects/Daycare_System/

360-Tour

- A Virtual tour of the university
Developed a virtual university tour enabling users to explore the campus and building interiors virtually.
Made with HTML, CSS, JavaScript, Google API
- Website — <https://inside.southernct.edu/virtual-tour>

Collaborative Information Center

- A job web application
The app enables user registration with email verification, job listing creation by employers, and job applications from employees. Email notifications keep both parties informed, and employers can access employee information.
- Made with HTML, CSS, JavaScript, PHP
- Showcased on GitHub — https://fj99.github.io/My-Projects/Job_App/

Card App

- App to keep track of temporary ID cards the university uses
Developed an application for the Southern Connecticut State University to handle temporary ID cards for residents or students having trouble with their IDs, offering an interim solution until their issues are resolved.
- Made with CodeIgniter, HTML, CSS, PHP, JavaScript
- Showcased on GitHub — <https://fj99.github.io/My-Projects/Card-app/>

To explore additional projects, please visit my portfolio at <https://fj99.github.io/My-Projects/>