

KELLY TON

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US Citizen

OBJECTIVE

Seeking a full-time Software Engineer position after graduating in Spring 2025.

WORK EXPERIENCE

Software and Data Engineer Intern, **SMX** Jun 2024 – Aug 2024

- Provided data engineering and software development support to the GOST Team
- Conducted sentiment analysis (VADER, Hugging Face) on social media posts using NLP techniques (Regex, spaCy)
- Visualized findings with Grafana and presented to senior executives, leading to actionable insights

EDUCATION

UNIVERSITY OF SOUTH FLORIDA

Tampa, FL

Bachelor of Science in Computer Science | GPA: 3.87/4.0

Expected Spring 2025

Relevant Coursework: Software Engineering, Analysis of Algorithms, Operating Systems, Artificial Intelligence

Certifications & Training: Global Tech Programs - Intercultural Skills, USF - Web Development Program, Web Development with HTML, CSS & Bootstrap, Web Development with JavaScript & APIs

SKILLS

Programming Languages:	Python, C/C++, Lua, JavaScript, HTML/CSS
Operating Systems:	macOS, Windows 10, Linux
Frameworks:	TensorFlow, Scikit-learn, Keras, Bootstrap
Databases:	SQL (PostgreSQL), DBever, SQLAlchemy
Cloud Services:	Amazon WorkSpaces
Version Control:	Git

KEY PROJECTS

Purrfect Path Web Application, USF, COP 4710 Database Design April 2024

- Developed a class scheduling platform for students to search for courses, create schedules, and compare with friends
- Used JavaScript for client-side operations, including password strength validation, and HTML/CSS for web page design
- Built the backend using Python, Flask, SQLAlchemy for database management, and PostgreSQL for data storage

RUSH: Rapid Unix SHell, USF, COP 4600 Operating Systems Feb 2024

- Engineered a Unix shell in C to execute built-in and external commands using child processes for parallel execution
- Implemented output redirection for command results, supporting file overwriting and error handling

Facial Recognition and Text Classification: Deep Learning, USF, CAP 4621 Introduction to AI Nov 2023

- Implemented LeNet-5 CNN on Olivetti faces, benchmarking against PCA, LDA, and SVM. Analyzed performance across different test splits and visualized results with CMC curves and confusion matrices
- Developed an RNN-based IMDB text classifier, applying data augmentation and evaluating various RNN setups

AFFILIATIONS

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| • Member, GWC (Girls Who Code) College Loop | Sept 2023 – Present |
| • Member, Data Science at USF | Nov 2023 – Present |
| • Member, VSA (Vietnamese Student Association) | Aug 2021 – Present |

HONORS AND AWARDS

- Dean's List honors (Fall 2021)