

# Calum Crawford

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## EDUCATION

**University of San Francisco (USFCA), San Francisco, CA —**

*August 2021 - May 2025*

- Computer Science major (Bachelor's Degree)
- 3.6/4.0 GPA
- Recipient of the FACHEX Tuition Grant (Academic Scholarship of \$54,980 per year)
- Dean's List (Fall 2022)

## TECHNICAL SKILLS

- **Programming languages:** Java, Javascript, Python
- **Website design:** HTML/CSS

## CAMPUS ACTIVITIES

- **Participant, MAGICS (Machine Learning, AI, Game Intelligence, Computing at Scale) Lab, USF** *November 2022- Present*
  - Listen to guest lectures discuss their projects relating to computer and data science
  - Work with professors, and students to help develop solutions to various data science and machine learning problems
- **Leadership Team Member, Comsigh, USF** *March 2023 - Present*
  - Responsible for organizing and executing workshops for club members
  - Help support overall growth and promotion of the club
  - Work with other leadership team members to make decisions on the clubs behalf
- **Participant, DonsHack, USF** *April 2023*
  - Worked with a team of three others to create a website designed to answer USF-related questions
  - Contributed to both the front-end and back-end development
  - Responsible for establishing communication between the front and backend
  - Used HTML, CSS, Python, Flask, and OpenAI technologies

## **FruitPunch AI in Practice BootCamp (Online)**

*March 2023 - Present*

- Trained models from the scikit-learn library with various datasets and evaluated the models accuracy and R squared score
- Used Keras API from the TensorFlow library to build neural networks and optimize their mean squared error value for predicting boston housing prices
- Developed a convolutional neural network from scratch using Keras packages from the TensorFlow library
- Optimized a convolutional neural network using dropout and batch normalization to achieve 98% accuracy for the model

## WORK EXPERIENCE

**Residential Housing Association at the University of San Francisco - San Francisco, CA**

*August 2022 - Present*

*Resident Advisor*

- Responsible for establishing rapport with 32 residents in the community through attentive listening, genuine care and support, awareness of student needs, and appropriate consultation and referral
- Promoted community and student development in the residential community through social and educational programming
- Assisted the residence department in coordinating campus-wide processes such as student staff selection and training, survey administration, room selection, and residence hall opening and closing, etc