

# NGOC TRAN

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## EDUCATION

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**California State University Fullerton**, Fullerton, CA

*Bachelor of Science, Computer Science*

Expected Graduation: December 2025

## TECHNICAL SKILLS

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- Programming Language: Python, C++, SQL, HTML, CSS, PHP, JavaScript
- Frameworks & Libraries: Node.js, Pandas, Sci-kit Learn, React
- Development Tools & Environments: Git, VSCode, Jupyter Notebook, Linux, Android Studio, ROS
- Databases & Software: phpMyAdmin, Microsoft Office Suite, Figma

## EXPERIENCE

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**BRDG Showcase Challenge**, Fullerton, CA

May 2024 – Present

*Team EcoLife Technical Lead*

- Oversaw all technical aspects from market research to app development.
- Provided continuous support in troubleshooting and technical documentation, leading to winning a runner-up prize in the showcase challenge
- Continuing to lead the app development post-competition, driving the transition from a contest prototype to a fully deployed educational tool

**ACCESS Project**, Fullerton, CA

October 2023 - Present

*Student Assistant*

- Assisting three computer science professors with various tasks for over 20 STEM workshops
- Helping more than 30 students grasp the concepts of C++, Python, machine learning, and cybersecurity
- Mentored students in developing their projects at the Summer Data Science Academy, providing guidance on data analysis techniques and fostering skills in statistical software and programming

## PROJECTS

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**Research Poster: Factors That Can Affect the Accuracy Value of Some Non-neural Machine Learning Models Applied to Numerical and Categorical Data**

- Utilized Python and data science libraries and frameworks, such as Jupyter Notebook, Pandas, and Scikit-learn, for cleaning and processing data pertinent to a research topic
- Applied six non-neural network models to predict the accuracy of various attributes within the same database, including Linear Regression, Logistic Regression, K-nearest neighbor Classifier, Decision Tree Classifier, Random Forest Classifier, and Naive Bayes Classifier

**Library Management System** (<https://github.com/Ruby510/LibrarySystem>)

- Developed a library database website using Node.js, PHP, HTML, CSS, and JavaScript, enabling efficient management and enhanced user interaction with book inventories.

## EXTRACURRICULARS

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**Titan Rover**

December 2023 - Present

*UI & Control Team Member*

- Collaborating with the team to develop the website for Titan Rover using HTML, CSS, Tailwind, React
- Enhancing the movement and mapping capabilities of the rover using ROS and Gazebo