

# Nevin Kopp

UCR ALUMNI | M.S Robotics | B.S Electrical Engineering | [nevinkopp.github.io](https://nevinkopp.github.io)

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Saint Clair, MI.

## EDUCATION

**University of California, Riverside CA.**  
*M.S Robotics*

2023 - 2024

*With Emphasis on Artificial Intelligence and Perception.*

**University of California, Riverside CA.**  
*B.S Electrical Engineering*

2019 - 2023

*With Emphasis on Robotics and Control.*

**Norco Community College, Norco CA.**  
*A.S Physics, A.S Pre-Engineering*

2017 - 2019

**College of the Redwoods, Eureka CA.**  
*A.S Mathematics, A.S Math and Science*

2012 - 2017

## SKILLS

Robotics, Automatic Control, Artificial Intelligence, Robot Operating System (ROS), Gazebo, Perception, Kinematics, Dynamics, Image Processing, Automation, PyTorch, MATLAB, Linux, Simulink, Machine Learning, LTSpice, Arduino, AVR, C++, SSH, Python, C, Soldering, PCB Fabrication and Design, Altium, Solidworks, Machine Vision, 3D Fabrication, MS Office.

## EXPERIENCE

**University of California, Riverside CA.**  
*Teacher Assistant*

2023 - 2024

Provide assistance to engineering professors within various courses. Job duties include: holding office hours, grading assignments and assisting students with electrical engineering lab experiments.

**University of California, Riverside CA.**  
*Graduate Research Project*

2023 - 2024

This research project implementation focuses on improving the performance of modern state of the art (SOTA) trackers for use in underwater autonomous vehicle (AUV) applications. Since many modern SOTA trackers were trained with open air (OA) datasets and are intended for use with aerial robotics, they tend to perform poorly when used in the underwater domain.

**Leviathan**  
*Autonomous underwater vehicle (AUV)*

2020 - 2023

Leviathan is an AUV designed from the ground up at UCR by multidisciplinary teams who work all year long on the project. The goal of Leviathan is to compete in RoboSub, an international competition hosted by Robonation. Leviathan features five degrees of freedom and is designed for efficiency and stability while navigating the underwater environment without any human intervention.

**University of California, Riverside CA.**  
*Library Safety Monitor*

2020 - 2023

Ensure the safety of library patrons at the University of California, Riverside. Job duties include routine ground patrols around the library to ensure compliance with library policies.

# PROJECTS

Please visit [nevinkopp.github.io](https://nevinkopp.github.io) for my robotics portfolio, thank you!

## **Norco College, Norco CA.**

### ***Peer Tutor II***

2017 - 2019

Provide tutoring services to students at Norco college. Job duties include assistance with homework, study routines, note taking advice, and various other topics to help improve grade point averages. Subjects tutored include: Physics, Calculus 1, 2, and 3, Differential Equations, and General Chemistry.

## **College of the Redwoods, Eureka CA.**

### ***Student Laboratory Assistant (Biological Department)***

2015 - 2017

Provide assistance to the laboratory technicians at College of the Redwoods. Job duties include washing laboratory equipment such as beakers and test tubes. Disinfect equipment used in microbiology courses using the autoclave. Create media such as agar dishes used in biological courses. Create solutions and various dyes used in student laboratory experiments.

