# LAVENDER HIGHLANDER
## Department of Computer Science & Engineering
## Curriculum Vitae

Riverside, CA | (951) 555-4321| lavender.highlander@ucr.edu

## EDUCATION

University of California, Riverside (UCR)                                    Riverside, CA
**Ph.D., Computer Science and Engineering**                     Expected June 2026
- Advisor: XXXXX Li
- Dissertation: *"The Heightened Virtual Connection in Mobile Networks"*

**M.S. Computer Science and Engineering**                                June 2023

University of California, San Diego                                          San Diego, CA
**B.S. Electrical Engineering**                                                    June 2019
- Senior Design Project: Three Wheeled Vehicle Design

## RESEARCH INTERESTS

Mobile systems, databases, computer networks

## HONORS AND AWARDS

| | |
|---|---|
| UCR Graduate Division Grad Slam Finalist, University of California | 2025 |
| John B. Stein Research Honor for Excellence | 2024 |
| Fellow of the Association for Computing Machinery (ACM) | 2022 |

## RESEARCH EXPERIENCE

Dept. of Computer Science and Engineering, UC Riverside                 Riverside, CA
**Graduate Research Assistant**, Advisor: XXXX Li          September 2023 – Present
Project: System design methodology using CAD tools for mobile device applications

- Developed a software interface using CAD tools to design a database meant for mobile devices
- Established optimal virtual connection through mobile networks resulting in 2 publications

Center for Research in Intelligent Systems (CRIS), UC Riverside          Riverside, CA
**Graduate Student Researcher**, Advisor: XXXXX          September 2021 – August 2023
Project: Implemented algorithms to design a computer visualization program

- Used C++, MySQL, and Java for computer program to classify and analyze a series of images

## TEACHING EXPERIENCE

Dept. of Computer Science and Engineering, UC Riverside                     Riverside, CA
**Head Teaching Assistant**                                          January 2022 - Present
Computer Networks, CS 164                                    Winter 2023 – Spring 2025
Software Construction, CS 100                                             Winter 2022

**Teaching Assistant/Lab Instructor**                     January 2022 – December 2024
Effective Use of World Wide Web                                            Fall 2024
Technical Communications``````````                                         Fall 2024
Introduction to Computer Programming (3 sections)           Spring 2023 & Summer 2023
Introduction to Computing                                    Fall 2023 & Summer 2024
Introduction to Discrete Structures```````````                            Winter 2022

## PEER-REVIEWED PUBLICATIONS

**Highlander, L.** and Li, J. (2025). Video streaming through mobile networks. Journal of Computer Science. 12(5), 175-185. Under review.

**Highlander, L.** and Li, J. (2025). Global broadcasting using video conferencing. Journal of Virtual Communications. 86(3), 113-124. Under review.

**Highlander, L.** and Levy, E. (2023). Computer Visualization Program. Journal of Technology. 33(5), 222 – 240.

## CONFERENCE PRESENTATIONS

**Highlander, L.** Video streaming through mobile networks. Poster presentation to be delivered at the UC Riverside Graduate Division Grad Slam Contest, Riverside, CA, April 2025

**Highlander, L.** and Li, J. Global Broadcasting using video conferencing system. Poster presentation to be delivered at the Association of Computer Machinery (ACM) Conference, Reno, NV, October, 2023

## PROFESSIONAL SERVICE

Graduate Student Association, UC Riverside                               Riverside, CA
**Vice President**                                           October 2023 – June 2025

- Managed editing and production of GSA's website and redesigned user interface
- Collaborated with GSA President in facilitating monthly board council meetings consisting of 85 members

IEEE Workshop on Circuits and Systems, UC Riverside                    Riverside, CA
**Committee Chair**                                        November 2020– February 2021

- Oversaw a budget of $12,000 and distributed funds for catering, venue, parking, and guest speaker fees
- Organized and led 20 committee members to coordinate planning in securing 10 guest speakers, technical topics and student outreach

## PROFESSIONAL MEMBERSHIPS

**Member**, Association for Computing Machinery (ACM)                2022 – Present
**Member**, American Association for the Advancement of Science        2022 – Present
**Member**, Institute of Electrical and Electronics Engineers        2021 – Present