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 2025
- Advisor: XXXXX Li
- Dissertation: *"The Heightened Virtual Connection in Mobile Networks"*

M.S. Computer Science and Engineering   June 2022

University of California, San Diego   San Diego, CA
B.S. Electrical Engineering   June 2018
- 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   2024
John B. Stein Research Honor for Excellence   2023
Fellow of the Association for Computing Machinery (ACM)   2021

RESEARCH EXPERIENCE

Dept. of Computer Science and Engineering, UC Riverside   Riverside, CA
Graduate Research Assistant, Advisor: XXXX Li   September 2022 – 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 2020 – August 2022
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
Computer Networks, CS 164   Winter 2023 – Present
Software Construction, CS 100   Winter 2022

Teaching Assistant
Effective Use of World Wide Web   Fall 2023
Technical Communications```````````   Fall 2023
Introduction to Computer Programming (3 sections)   Spring 2022 & Summer 2022
Introduction to Computing   Fall 2022
Introduction to Discrete Structures```````````   Winter 2021

PEER-REVIEWED PUBLICATIONS

Highlander, L. and Li, J. (2023). Video streaming through mobile networks. Journal of Computer Science. 12(5), 175-185. Under review.

Highlander, L. and Li, J. (2022). Global broadcasting using video conferencing. Journal of Virtual Communications. 86(3), 113-124. Under review.

Highlander, L. and Levy, E. (2020). 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 2024

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, 2022.

PROFESSIONAL SERVICE

Graduate Student Association, UC Riverside   Riverside, CA
Vice President   October 2022 – June 2024

- 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 2019– February 2020

- 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)   2021 – Present
Member, American Association for the Advancement of Science   2021 – Present
Member, Institute of Electrical and Electronics Engineers   2020 – Present