

# VARDAN KESHISHYAN

## EDUCATION

### Pursuing a Bachelor's Degree

University of California, Irvine (UCI)

Computer Science Major

Alumni Association Member

Sep 2024 – Expected: Jun 2026

### College History

Glendale Community College (GCC)

Computer Science Major

President of Robotics Club

Sep 2021 – Jun 2024

## EXPERIENCE

### Research Assistant

*Caltech* | Pasadena, CA | July 2024 – September 2024

- \* Support local CMS by troubleshooting and optimizing system performance to make sure everything is working correctly for research.
- \* Maintaining research related information technology systems and enabling smooth communication by ensuring there is no problems in the **Data Center**.
- \* Planned and organized research themes and helped in designing and then implementing experimental setups (during **2 months** over **15+** server were installed).
- \* Setup and maintenance of research environments, including the installation and configuration of necessary software by using Ubuntu with Python.

### Math Tutor

*Glendale Community College, Learning Center Depart* | Glendale, CA | January 2022 - July 2024

- \* Delivered successful math tutoring for students based on current needs and upcoming course materials.
- \* Coached students through challenging material with encouragement.
- \* Researched and recommended textbooks, software and other learning materials to complement tutoring (**80%** of the students I tutored started earning **A's**).
- \* Developed handouts, study materials and quizzes.

### Teaching Assistant Volunteer

*TUMO Center for Creative Technologies* | Yerevan, Armenia | January 2016 – October 2017

- \* Taught young children how to program simple 2D games.
- \* Worked one-on-one with students on core subjects.
- \* Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.

## WEBSITES, PORTFOLIOS, PROJECTS

*Portfolio website:* <http://vardan.app>

*GitHub Projects:* <https://github.com/VardanKeshishyan>

*LinkedIn:* <https://www.linkedin.com/in/vardan-keshishyan-9734961b5/>

## CONTACT



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## SKILLS

Programming: C++, Python, Java, R, HTML/CSS.

Cloud & Databases: MySQL, SQLite, DigitalOcean, AWS EC2 deployment.

Frameworks & Tools: FastAPI, VS code, PyCharm, Figma, etc.

DevOps: Git, GitHub Actions, CI/CD, Jekyll.

Additional Tools: Maya, ZBrush, Substance Painter.

Languages: English, Armenian, Russian

## PROJECTS

### LiveLectureAI

A web app for students with disabilities that turns lecture audio and slides into clear notes, summaries, and key points.

### RecipeRecommender

A group-built recipe recommendation platform that helps users discover meals from available ingredients and personalized preferences.

### Quant Visualizer

A web application that demonstrates one of the classic quantitative finance ideas, pairs trading (providing tools for understanding complex mathematical ideas).

### Web Crawler

The goal of this project to explore a real website, collect statistics, and understand how crawlers handle URL discovery, page parsing, and word frequency analysis.