

TARLAN BAHADORI

Researcher in Big Data, Systems, and AI | Computer Science PhD Student

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📄 github.com/tarlaun

EDUCATION

Ph.D. in Computer Science

University of California, Riverside

📅 Sep 2023 – Expected Graduation Date: Dec 2027

B. Sc. in Computer Engineering

Sharif University of Technology

📅 Sep 2018 – Dec 2022

EXPERIENCE

Research Assistant

University of California, Riverside

📅 Sep 2023 – Present

- **Big Data Lab:** Developing a framework for exploration and visualization of Large Geospatial Data Under the supervision of Prof. Ahmed Eldawy

Teaching Assistant

University of California, Riverside

📅 Sep 2024 – Dec 2024

- **Big Data Management:**
Course Instructor: Prof. Ahmed Eldawy

Research Assistant

Sharif University of Technology

📅 Jun 2021 – Dec 2021

- **Bioinformatics:** Developing a new encoding for metagenomic datasets Under the supervision of Prof. Somayyeh Koohi

Summer Intern

Hamta Rayaneh

📅 Jun 2022 – Sep 2022

- Data Cleaning

Summer Intern

CFTE

📅 Jul 2021 – Aug 2021

- Fintech

Teaching Assistant

Sharif University of Technology

📅 Sep 2020 – Dec 2021

- **Numerical Methods:** Fall 2021
Course Instructor: Prof. Fatemeh Baharifard
- **Digital Systems Design:** Fall 2020 - Spring 2020
Course Instructor: Prof. Farshad Baharvand

SCHOLARSHIPS AND AWARDS

- **ACM SIGSPATIAL 2025 Student Travel Award** (travel-award program supported in part by U.S. National Science Foundation Award No. 2533214), 2025.
- **Ph.D. Scholarship**, University of California, Riverside, 2023–Present.

LANGUAGES

Persian: Native Speaker

English: Native Speaker

Spanish: Working Proficiency

French: Working Proficiency

PUBLICATIONS

Conference Papers

- **Tarlan Bahadori**, Alvin Chiu, Ahmed Eldawy, Michael T. Goodrich. "SGV: Spatial Graph Visualization." In *ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems*, pp. 580–583, 2025.
- **Tarlan Bahadori**, Alvin Chiu, Ahmed Eldawy, Michael T. Goodrich. "Circle Quasi-Cartograms: Dorling Cartograms with Edge Connections and Relaxed Overlap Conditions." In *Proceedings of the 1st ACM SIGSPATIAL International Workshop on Human-Centered Geospatial Computing (Geo-HCC)*, pp. 20–23, 2025.
- **Tarlan Bahadori**, Sai Sreekar Sarvepalli, Ahmed Eldawy. "LASEK: LLM-Assisted Style Exploration Kit for Geospatial Data." *Proceedings of the VLDB Endowment*, 18(12):5435–5438, 2025.

Preprints

- **Tarlan Bahadori**, Ahmed Eldawy. "HiFIVE: High-Fidelity Vector-Tile Reduction for Interactive Map Exploration." *arXiv*, arXiv:2603.10270, 2026.

SOFT SKILLS

Fast Learner, Ability to Work Under Pressure, Time Management, Adaptability, Teamwork, Creativity, Multicultural

REFERENCES

- **Ahmed Eldawy** – Associate Professor, Department of Computer Science and Engineering, University of California, Riverside. Email: ahmed.eldawy@ucr.edu
- **Ibrahim Sabek** – Assistant Professor of Computer Science and Spatial Sciences, University of Southern California. Email: sabek@usc.edu
- **Michael T. Goodrich** – Distinguished Professor, Department of Computer Science, University of California, Irvine. Email: goodrich@ics.uci.edu

SKILLS

Programming Languages

Python, C, C++, Java, Scala, R, Verilog, SQL

Machine Learning

Python Libraries: Scikit-Learn, Tensorflow, Keras, PyTorch

Assembly Programming Languages

MIPS, IBM 360-370, 8086

Software

Vivado, Xilinx ISE, Proteus, Quartus, ModelSim, Git

Piano

ABRSM Grade 7

TEST SCORES

TOEFL iBT - Overall Score: 118/120

September 2021

- Reading: 30 Listening: 30 Speaking: 30
Writing: 28

GRE General Test - Overall Score: 329/340

August 2022

- Quantitative: 170 Verbal: 159 Analytical Writing: 4.0

ACHIEVEMENTS

- **18th Place, National University Entrance Exam (Concours)**
Mathematics Field - 150,000 Participants - Jul 2018
- **7th Place, National University Entrance Exam (Concours)**
English Language Field - 140,000 Participants - Jul 2018
- **1st Place, NODET School Entrance Exam**
Jul 2011