

Glenn Galvizo

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EDUCATION

- 09 / 2019 - to date **Ph.D. in Computer Science**
University of California, Irvine
- 09 / 2019 - 06 / 2021 **M.S. in Computer Science**
On Indexing Multi-Valued Fields in AsterixDB
University of California, Irvine
- 08 / 2014 - 12 / 2018 **B.S. in Computer Science, Certificate in Mathematical Biology**
Efficient Parameter Estimation for Human Microsatellite Mutation
University of Hawaii at Manoa

CONFERENCE PAPERS

Galvizo G. and Lim L. *An Experimental Survey of Evaluation Strategies for Constellation Queries.* 31st International Conference on Scientific and Statistical Database Management (SSDBM '19). ACM, New York, NY, USA, 210-213.

ABSTRACTS AND PRESENTATIONS

Galvizo G. *Efficient Parameter Estimation for Human Microsatellite Mutation.* Presented at the University of Hawaii at Manoa Undergraduate Showcase, Honolulu, HI, United States, Dec. 7, 2018; oral presentation.

Galvizo G. *Analysis and Optimization of Lost-in-Space Star Identification.* Presented at the University of Hawaii at Manoa Undergraduate Showcase, Honolulu, HI, United States, Dec. 8, 2017; oral presentation.

TEACHING EXPERIENCE

- 09 / 2019 - 12 / 2020 **Teaching Assistant**
Created assignments in a “beyond SQL” class for Postgres, Cassandra, Couchbase, and Neo4J (Winter 2020). Led discussions and created assignments in an introductory database course (Spring 2020, Fall 2020).
- 04 / 2019 - 06 / 2019 **Substitute Math Teacher at Mary, Start of the Sea**
Created lesson plans, projects, and assessments for 6th - 8th grade students. Taught middle school algebra and statistics to 4 classes.

08 / 2016 - 01 / 2019 **Head of Maryknoll Robotics**
Managed communication with parents, coaches, and administration. Co-ordinated lesson plans, tournaments, practices, and purchases for 4th to 12th grade students to participate in robotics competitions.

AWARDS AND GRANTS

01 / 2021 **Hasso Plattner Institute Research in Machine Learning and Data Science Fellowship at UC Irvine**
Fellowship funding for research to support adaptive, safe, and human-centered artificial intelligence.

06 / 2018 **Very Large Data Base Endowment Scholarship**
\$2000 merit based scholarship to study data management related topics.

12 / 2017 **Undergraduate Research Opportunities Program Grant**
\$4890 to fund the project *Analysis and Optimization of Lost-in-Space Star Identification*.

03 / 2015 **Hawaii Space Flight Laboratory Traineeship**
\$3000 to help develop sensor logging and flight path estimation software for CATSAT-1, a stationary payload on a sounding rocket.

WORK EXPERIENCE AND PROJECTS

06 / 2021 - 09 / 2021 **Couchbase Software Engineering Intern**
Will integrate multi-valued indexes from AsterixDB into Couchbase's Analytics Service. Foundation will be laid for supporting functional indexes in AsterixDB (and eventually Couchbase).

05 / 2019 - 08 / 2019 **Hawaii Space Flight Laboratory Software Engineer**
Optimized, tested, and verified motion-tracking and orientation simulating processes for the satellite testbed. Implemented time-synchronization protocol across agents in the COSMOS framework.

03 / 2015 - 08 / 2017 **Hawaii Space Flight Laboratory High Level Software Intern**
01 / 2018 - 06 / 2018 Worked on programs to stream computer usage data to a network of other computers, as a part of the COSMOS (Comprehensive Open-architecture Space Mission Operation System) project. Developed software for a first-generation star based orientation sensor (star tracker).

REFERENCES

Available upon request.