

Glenn Galvizo

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EDUCATION

08 / 2014 - 12 / 2018 **B.S. in Computer Science, Certificate in Mathematical Biology**
University of Hawaii at Manoa, GPA: 3.95 / 4.00

RESEARCH EXPERIENCE

01 / 2017 - to date **Evaluation of Lost-in-Space Star Identification Algorithms**
Under the supervision of Dr. Lipyeow Lim at the University of Hawaii at Manoa.

04 / 2018 - to date **Human Admixture Inferences with Microsatellite DNA Mutation Simulation**
Under the supervision of Dr. Floyd Reed at the University of Hawaii at Manoa.

PROFESSIONAL WRITING

Galvizo G. *Efficient Parameter Estimation for Human Microsatellite Mutation.* Writing for the Mathematical Biology Certificate at the University of Hawaii at Manoa, Nov. 30, 2018.

Galvizo G. and Lim L. *An Experimental Survey of Evaluation Strategies for Constellation Queries.* Submitting for publication.

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.

Galvizo G., Izumigawa C., Lam J., Li T., Nguyen A., Saymo A., Xu P., Yasunaga C. *Hawaii Space Flight Laboratory: Sounding Rocket Trainees.* Presented at the Hawaii Space Grant Fellowship and Traineeship Symposium, Honolulu, HI, United States, Apr. 23, 2016; oral presentation.

Galvizo G., Izumigawa C., Li T., Nguyen A., Saymo A., Yasunaga C. *New Mexico Sounding Rocket Team of CubeSat Research and Development Project.* Presented at the Hawaii Space Grant Fellowship and Traineeship Symposium, Honolulu, HI, United States, Nov. 21, 2015 and Apr. 25, 2015; oral presentation.

AWARDS AND GRANTS

- 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.

PROFESSIONAL EXPERIENCE

- 08 / 2016 - to date **Head of Maryknoll Robotics**
Managed communication with parents, coaches, and administration. Coordinated lesson plans, tournaments, practices, and purchases for 4th to 12th grade students to participate in robotics competitions. Promoted from *Robotics Mentor* on 06 / 2018.
- 03 / 2015 - 08 / 2017
01 / 2018 - 06 / 2018 **High Level Software Intern**
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).
- 08 / 2016 - 06 / 2017 **University of Hawaii at Manoa ICS Department Helpdesk**
Serviced four labs of computers and the networks connecting them. Assisted students and professors with all machine related issues. Automated the development and unattended installation of Windows programs across all lab computers.

REFERENCES

Dr. Lipyeow Lim

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Dr. Floyd Reed

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