

# Luis David Licea Torres

## Contact

🏠 Baytown, TX

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## Skills

- **Programming Languages:** JavaScript, Python, Bash, C++, C, C#
- **Skills:** Git, Linux, MongoDB, Neovim, VSCode
- **Spoken Languages:** English, Spanish

## Education

**Bachelor of Science, Computer Science**

University of Houston-Clear Lake; GPA 3.983

**May 2022**

Houston, TX

## Publications

**A Disease Similarity Technique Using Biological Process Functional Annotations**

University of Houston-Clear Lake, *Computing Sciences Department*

**July 2021**

Houston, TX

- Journal: Springer
- Series: Advances in Intelligent Systems and Computing
- Authors: Luis David Licea Torres and Hisham Al-Mubaid

## Presentations

**A Disease Similarity Technique Using Biological Process Functional Annotations**

SAI Computing Conference 2021

**July 2021**

London, UK

- Location: Virtual
- Date: July 15–16 2021
- Type: Oral presentation
- Speaker: Luis David Licea Torres

## Work Experience

### Software Test and Verification Engineer, Dream Chaser

November 2022–Present

Odyssey Space Research

Houston, TX

- Migrated database back-end from LinvoDB to MongoDB
- Used aggregate queries to reduce query times by a factor of 10
- Reduced database entry insertion time from 4 hours to 1 minute
- Wrote asynchronous MongoDB queries in JavaScript
- Wrote JavaScript unit tests using the Mocha and Chai modules
- Wrote Python unit tests using the unittest module

### Research Assistant, *Computing Sciences Department*

July 2020–February 2021

University of Houston-Clear Lake

Houston, TX

- Presented research results on the SAI Computing Conference 2021
- Co-authored a research paper under the guidance of Dr. Hisham Al-Mubaid
- Used Python to perform data processing and analysis on inheritable disease data
- Made disease analysis code public in [github.com/luis-licea/bp-functional-annotations](https://github.com/luis-licea/bp-functional-annotations)

### Tutor

January 2019–August 2019

Lee College

Baytown, TX

- Tutored students computer science, calculus, physics, and chemistry

### Student Assistant

September 2017–August 2018

Lee College

Baytown, TX

- Supervised lab experiments performed by classes of up to 20 students
- Prepared experiments weekly according to 4 different chemistry classes

## Projects

### nifti.work

February 2022–May 2022

- Nifti allows you to search for work or post work for others, opening a new market for freelancers
- Technologies used: Python, Django, HTML, CSS, JS, Google Cloud, Apache, Git
- Repository: [github.com/luis-licea/nifti](https://github.com/luis-licea/nifti)

### luis-licea.github.io/radio

December 2021–Present

- An online radio player built with Rust and WebAssembly
- Technologies used: Rust, WebAssembly, Git
- Repository: [github.com/luis-licea/radio](https://github.com/luis-licea/radio)

**luisliceatorres.com****March 2020–Present**

- A personal website for blogging built with Jekyll
- Technologies used: Jekyll, HTML, CSS, JS, Git
- Repository: [github.com/luis-licea/luisliceatorres.com](https://github.com/luis-licea/luisliceatorres.com)