

# RODRIGO VENA

Orlando, Florida. United States

[raghievox@gmail.com](mailto:raghievox@gmail.com)  
[github.com/rndae](https://github.com/rndae)

## EDUCATION

---

**M.S., Computer Science** 2021 – graduating May, 2023  
University of Central Florida. United States

- Courses: Algorithms for Strings and Sequences, Natural Language Processing, Compiler Construction, Computational Complexity

**B.S., Computer Engineering** 2015 – 2019  
Universidad Mayor de San Simón. Bolivia

- Courses: Agile Processes, HCI, Software Architecture, Systems Security, Web Programming

## AWARDS

---

Fulbright Scholarship 2021 - Present

Academic Excellence, Universidad Mayor de San Simón 2019

- One of the five students in the Faculty of Science and Technology

## PROJECTS

---

- Laboratory Management System & VLE. PHP, Laravel, Apache, MariaDB, JavaScript, Angular, Git, JQuery <https://gitlab.com/the-code-tellers/AdminLabo>
- Symbolic Execution C-like language. Java, ANTLR, Bash <https://github.com/rndae/symbolic-execution-clikelang>
- Blind Dating Web App “Simon Dice”. MongoDB, NodeJS, ExpressJS, Git, Github, JavaScript, JQuery <https://github.com/rndae/blinddate-app>
- Shader: Iridescence of Oil on Water. Unity 15f1, DX11, Cg, C# <https://youtu.be/9GPO1WHYXtU>
- Travel Agency’s Tour and Itinerary Building Software, RestAPI. Java, Spring Framework, Git
- Project Chooser Assistant for High-school Students. Rasa and Python
- Bolivian Elections 2019 Voting Sheets Explorer. Jupyter Lab and Python
- CLI Tic Tac Toe, Java Code Input: AI vs AI. Java
- Cats and Dogs Detection App via Haar Cascade Classifiers. Java
- Programmable Wireless Guitar FX Interface. Pure Data and OSC Protocol
- Automatic Windows File Organizer. C#

## WORK AND VOLUNTEERING

---

- Introduction to Programming with Python, at Isaac Attie High School, Cochabamba, Bolivia – 2020
- Python Programming Workshop, at EMI University, Cochabamba, Bolivia – 2019
- Organizer of the Cochabamba’s Innovation and Entrepreneurship Clubs 2020, JCI Tunari. Bolivia – 2020

## SKILLS

---

- Development and design:

Agile methodologies;  
algorithm design; design  
patterns; formal logic;  
probabilistic models

- Programming languages:

Java; Python; PHP; C#;  
JavaScript; C++; MATLAB;  
SQL; Bash

- Web frameworks:

Spring Framework; Laravel;  
ExpressJS;

- Databases:

MongoDB; PostgreSQL;  
MySQL

- Tools:

Git; Github; IntelliJ IDEA;  
Visual Studio; Jupyter Lab;  
Collab; Anaconda 3;  
Composer

- Languages:

English – fluent; Spanish –  
native

## SPEAKER IN CONFERENCES

---

- Probabilistic Graphical Models with Python. PyCon Bolivia – 2020 <https://bo.pycon.org> <https://youtu.be/2QB5FwLwEQ?t=3640>
- Scientific Computation with Python. PyCon Bolivia – 2020 <https://bo.pycon.org> [https://fb.watch/j4-wC\\_4-i0/](https://fb.watch/j4-wC_4-i0/)
- Bolivia’s Internet Infrastructure. UMSS – 2019 <https://github.com/ismss/feriadeinternet2019>