

# Daniel Rivas

## Software Engineer

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## Education

- **University of Houston.** Houston, TX. United States.  
*B.S. Computer Science.* 2019-2021.  
Currently attending.
- **Houston Community College.** Houston, TX. United States.  
*A.S. Computer Science.* 2016-2018.  
Honors graduate.
- **Universidad Nacional Experimental del Táchira.** San Cristobal, Táchira. Venezuela.  
*B.E. Software Engineering.* 2013-2015.

## Experience

- **DeepCast, LLC.** Houston, TX. United States.  
*Software Engineer Intern.* September 2019 - December 2019.
  - Designed and implemented improvements for a geo-visualization stack that allowed for rendering and exploration of thousands of data points in real-time.
  - Designed and implemented a proof-of-concept platform for agile data-science development, running on Kubernetes and based on Pachyderm.
- **Sabernetic, LLC.** Houston TX. United States.  
*Software Engineer.* 2018 - 2019.
  - Designed, developed and maintained a microservice-based architecture for agile development and delivery, using Python's Nameko library for the implementation of the microservices.
  - Implemented a distributed tabular data-structure for transactional and analytical processes over large amounts of data, using Cassandra for available and tolerant data-layer.
  - Supported the design and implementation of a BI dashboard backed by the infrastructure already mentioned. Implemented using React.
- **Upwork.** Remote.  
*Freelancer Full-stack Developer.* 2015-2018.
  - Design and implementation of landing pages and business development websites. Frameworks used included Hugo (static sites, Golang), Django (Python), Phoenix (Elixir), and WordPress for legacy websites.

## Skills and competencies

- **Front-end:** HTML5, CSS, JavaScript, and React. Other development utility tools such as Gulp, Brunch, and Webpack.
- **Back-end:** Python web frameworks such as Flask and Nameko. Web services written in Golang, including authentication, validation, and other common API gateway tasks.
- **DevOps:** Continuous delivery with Concourse. Some cloud infrastructure with Google Cloud and Kubernetes. Other common tools such as Git, Docker, and Vim.