# 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.