

Joaquin G. Casares

Austin, Texas 78741

gmail: joaquin.casares

EDUCATION

December 2010

The University of Texas at Austin

Austin, Texas

Bachelor of Arts in Computer Science

Bachelor of Science in Radio-Television-Film

Interdisciplinary Study in Digital Arts & Media

185 credit-hours towards a double major and interdisciplinary program.

Completed *The Advanced Digital Media Institute* within The Division of Instructional Innovation and Assessment August 2009.

New Media Initiative: ACTLab Program alumni.

SKILLS

Systems:

Linux: Development/Support

Mac: Development

Windows: Personal

Primary Languages:

Python

Java

C/C++

Resources:

Amazon Web Services

Apache Cassandra

Distributed Teams

Git

Jira

Ideology:

Automation

Big Data

Cloud Computing

RESTful APIs

Smart Installers

WORK HISTORY

January 2011 – Present

DataStax

Austin, Texas

Senior Support Engineer / Cloud Tools Engineer

Lead support in a small team for DataStax Enterprise which fuses many big data components and tools on top of and centered on Apache Cassandra.

- Work with engineers to support 16+ products across 6 different platforms
 - Supporting ~200 organizations.
 - Primary point of contact for ~9 months.
 - Solve issues via Zendesk, public forums, IRC, mailing lists, phone calls, and remote viewing sessions.
 - Take lead on escalated cases, when needed.
- Departmental infrastructure development
 - Training a team of 5 individuals.
 - Creating internal and external policies.
 - Developing tools, cron jobs, and Zendesk widgets for internal benefit.
- Administrative, Documentation, Product, and Sales team integration
 - Develop an internal knowledge base, wiki, and assorted tools across multiple departments.
 - Advise Proof of Concept leads over initial designs.
- Active community evangelist
 - Develop, maintain, and support the DataStax Amazon Machine Image and command-line launcher.
 - Attend and present at Cassandra Austin Meetups and associated groups.

October 2010 – March 2012

Digital Precision

Austin, Texas

Founder / Animation Expert

Founded a three-dimensional animation business in the central Texas region.

- A three minute marketing demo for DataStax was conceptualized, modeled, and animated in two weeks time.
- Research and consultation for multiple projection mapping projects using Blender.

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WORK HISTORY (CONT.)

August 2008 – January 2011

~FAST Tex / Digital Media Services

Austin, Texas

Student Programmer / Software Designer

Began in the intradepartmental Digital Media Services performing training and support for classes within multiple disciplines. Later, programmed under the ~FAST Tex team while continuing my previous responsibilities.

- Train classes of undergraduate and graduate students, staff, and faculty in using multimedia software in a classroom/lab environment.
- Work on an array of team projects encompassing the Silverstripe CMS, wxPython, SIMILE, and Unity.
- Confront a variety of issues and tasks under minimal supervision in a rapid, interactive setting.

June 2007 – May 2009

Self-Employed Legal Animation Contractor

Eagle Pass, Texas

Collision Reconstruction Animator

Creating scaled three-dimensional animations for use in mediation settlements. Worked with Knickerbocker, Heredia, Jasso & Stewart, P.C. for a majority of these projects.

- All animations based on legal depositions and scientific consultation producing scaled renditions.
- No supervision occurred other than the first and final meetings for each case.
- Mild, if existent, polishing touches were required.

OPEN SOURCE

- github.com/riptano/ComboAMI

Official DataStax Amazon Machine Image that began as a pet project. The AMI takes a set of input parameters via the EC2 user-data to install, RAID, ring, and launch a DataStax Enterprise/Community cluster.

- github.com/joaquincasares/cassandralauncher

Allows for the DataStax AMI to run from the command line while removing common user errors. End-to-end time to a cluster of any size is ~5 minutes. 22,000+ PyPI downloads.

- github.com/joaquincasares/CassandraJsonMapper

Apache Cassandra driver developed for direct functionality to store JSON-style objects mapped into Cassandra composite columns.

- github.com/joaquincasares/zendesk_downloader

Efficiently downloading and extracting all Zendesk attachments for a ticket in an organized manner for local access and manipulation.

- github.com/joaquincasares/pagerduty

Everyday usage of PagerDuty notifications and widgets.

- github.com/joaquincasares/heap-calculator

Easily calculates and explores common Apache Cassandra heap pressure issues.

COMPLETE RESUME

joaquincasares.github.com