



## Work experience

# MICHAEL HARRISON

✉ mharrison.william@gmail.com

🏠 2804 Green Tee Drive, 77581  
Pearland, USA  
☎ 832-726-3821

### Engineering Manager

08/2018 – present

OpenStax, Rice University, Houston, Texas, USA

- Work with the product manager to provide technical leadership on project direction.
- Lead a team of developers charged with building out the openstax.org website and maintain our CRM (Salesforce).
- Manage the development workflow for four product teams.
- Perform 1:1 meetings with each team member on a biweekly basis.
- Work with HR to reevaluate our developers into a more fitting title and salary.
- Review developer pull requests, requesting changes when appropriate.

### Senior Software Engineer

08/2015 – 08/2018

OpenStax, Rice University, Houston, Texas, USA

- Developed API backends using the Wagtail framework (based on Django) to drive the content for the openstax.org website.
- Led the development of the iOS application using Swift, incorporating the design from the existing Android app.
- Maintained the OpenStax central authentication service, written in Rails.
- Frequently engaged in server maintenance and deployment tasks. Our stack was based on Ubuntu, gunicorn, uwsgi and vagrant for deployment scripting.

### Senior Software Engineer

02/2012 – 08/2015

Rice University, Houston, Texas, USA

- Implements, develops, supports and promotes open sourced web frameworks and applications to fill needs within the Rice community.
- Streamlines application development through agile and extreme programming methodologies.
- Manages contractual obligations with overseas development firms.
- Built the iOS app for the university, which included live bus tracking and campus service information.

## Education

### BS, Philosophy

08/2013 – 05/2015

University of Houston - Downtown, Houston, Texas, USA

### AS, Biology

08/2006 – 05/2008

Houston Community College, Houston, Texas, USA

## Volunteering

### Board Member

08/2017 – present

Dalton DeHart Photographic Foundation, Houston, Texas, USA

Spearheaded the foundation website and technical explorations. Aided in vendor exploration/RFP to digitize 20 years and over one million photos.

### Commodore

03/2017 – present

Gulf Area Yachting Society, Galveston, Texas, USA

All-Inclusive boating and social club formed in the Galveston, Texas area.

Responsible for leading the club vision and organizational budget. Assisted with event planning.

Lead the website initiative, creating a fully-dynamic website in Wordpress.