

The background of the slide features a large, faint watermark of the University of Maryland seal. The seal is circular and contains a central figure holding a lyre, surrounded by a laurel wreath. The text "UNIVERSITY OF MARYLAND" is visible at the top of the seal, and "1789" is at the bottom. The seal is rendered in a light blue color that blends with the dark blue background.

# Automation Tools Can Help Your Sprints Work Smarter, Not Harder

**Reed Piernock & Danielle Held**  
WPCampus 2020

# Georgetown websites

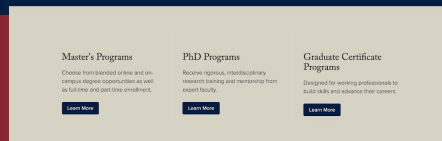
- 350 sites
- Two codebases and themes
- Two-week sprints
- ~1,000 editors

The odds are  
not in our favor



**Equity, Diversity, & Inclusion**  
In consultation with Equity, Diversity, and Inclusion Advisory Council, Biomedical Graduate Education (BGE) will engage in activities that work toward eliminating structural barriers toward diversity, equity, and inclusion, and improve recruitment and retention of marginalized graduate students and postdoctoral fellows.

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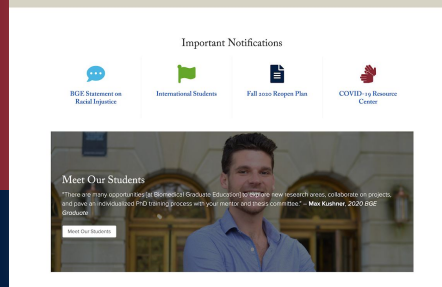
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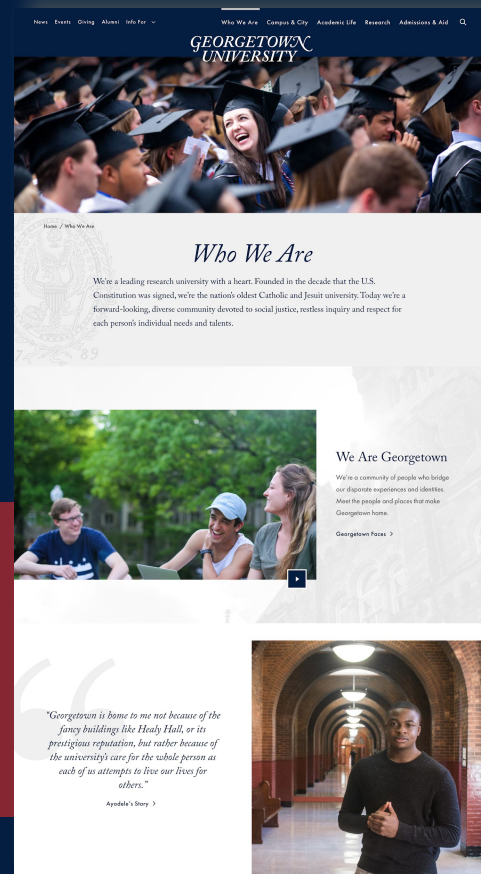


[COVID-19 Resource Center](#)

#### Meet Our Students

"There are many support people at Biomedical Graduate Education to make sure research areas collaborate on projects and provide individualized PhD training process with your mentor and peers committee." — **Max Kushner, 2020 PhD Graduate**

[Meet Our Students](#)



## Who We Are

We're a leading research university with a heart. Founded in the decade that the U.S. Constitution was signed, we're the nation's oldest Catholic and Jesuit university. Today we're a forward-looking, diverse community devoted to social justice, restless inquiry and respect for each person's individual needs and talents.

#### We Are Georgetown

We're a community of people who bridge our disparate experiences and identities. Meet the people and places that make Georgetown home.

[Georgetown Focus >](#)

*"Georgetown is home to me not because of the fancy buildings like Healy Hall, or its prestigious reputation, but rather because of the university's care for the whole person as each of us attempts to live our lives for others."*

*Aryelle's Story >*

# Challenges

- Murphy's Law: 350 websites means there is much variation in content, user needs, and the odds that something will “break” with a deployment
- Maintaining and adding features to two codebases

## **Rocky sprint and deployment process**

Which sprint are we on? What's ready to deploy? Do site editors need to know and how would we tell them?

**Automations  
can help keep  
your sprints on  
the right track!**

## **When this... do that!**

- Simple, at-a-glance overview
- Reminders, repeaters, snoozers
- Standardized tasks and lists
- “Kick-off automation” buttons
- Task assignments and pings
- Add-ons, power-ups, apps, etc.

# A small sampling of what helps us stay on track



## GitHub Projects automations

- Issue opened?  
Now it's a To Do!
- Pull Request opened?  
Now it's In Progress!
- Issue and PR closed?  
Now they are Done!



## Trello Butler automations

- Move a card to the QA column?  
Ping the testers!
- Time to push to dev or to test?  
Set a calendar card!
- Which cards in this deployment?  
Check for labels!

**Oh, neat!** There are some pretty cool GitHub + Trello integrations.

# A bunch of cool stuff that does a bunch of cool things

## **Task and Project Management**

Asana, Basecamp, ClickUp, Jira, Monday, Trello, Wrike

## **App and Workflow Integration**

Automate.io, Huginn, IFTTT, Integromat, Microsoft Flow, Zapier

## **Review, Testing, and QA**

Behat, BrowserStack, GhostInspector, Percy, Selenium, SiteImprove

## **Continuous Integration and Deployment**

Bitbucket Pipelines, Circle.ci, GitHub Actions, GitLab CI, Jenkins, Travis.ci

# Thank you! Please stay in touch

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