

# Eli Murray

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## Professional Experience

### Data reporter

*Tampa Bay Times (March 2016 – present)*

Use programming to solve reporting problems and to make compelling graphics. Use technical knowledge to acquire records agencies would otherwise be unwilling to hand over. Learn new languages, frameworks, and software on deadline. Work with teams to run analysis on both quick-turn and enterprise stories.

#### Accomplishments:

- Built an archiver to scrape Florida covid data and archive updates in 10 minute intervals, and notify a slack channel with a 24 hour change calculation when new data was published. The archived data was then used to build an [app](#) that breaks down the numbers by county, city, or zipcode.
- Used Adobe AfterEffects and custom javascript create a videoscroller opening graphic for [Clear Takeover](#). Works on desktop, mobile, and has an image fallback version for users with a poor internet connection.
- Scraped data and ran analysis for award-winning project, [Zombie Campaigns](#). Built internal admin for categorizing expenditures.
- Learned 3D-modeling and Three.js in one week to create [Choice and chance](#).
- Negotiated with a local school district to get a copy of an ancient database running on IBM AS/400 since 1993 and wrote code to import it into modern postgres for analysis.
- Created a replacement cms in the week before Hurricane Irma because our website was failing. Replacement cms was based off Google Sheets and AWS Lambda. Offered live updates and small page size for readers on mobile without power/WiFi.
- Wrote [open source software](#) that powers the Tampa Bay Times' most ambitious digital projects.

### Data team intern

*Tampa Bay Times (June 2015 – Feb 2016)*

Wrote newsroom-facing database admins. Created graphics and provided analysis for stories. Taught reporters how to use spreadsheets to interpret data.

#### Clips:

- [Walmart. Thousands of police calls. You paid the bill.](#)
- [One wild ride](#)

## Programming

- Javascript/Typescript
- Python
- SQL
- Go

## Skills

- Data visualization: D3js, Threejs.
- Data analysis: Pandas, Matplotlib, Jupyter, QGIS.
- AWS: S3, Lambda, EC2, RDS.
- Adobe Photoshop, Illustrator, AfterEffects, Premiere.

## Education

BS Journalism

*University of Illinois*

## Awards

### Winner

duPont-Columbia award 2019  
*Alfred A. duPont-Columbia University*

### Nominee

Regional investigation 2019  
*National news emmy awards*

### Winner

Investigative report 2018  
*Suncoast regional emmy awards*

### Silver

Online graphics 2017  
*Malofiej international infographics*