

JACQUELYN ELIAS

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SKILLS

Technical: Javascript, MySQL, R, Firebase, Leaflet, Mapbox, Jenkins, Gulp, PostGIS, PostgreSQL, Excel, SQLite, jQuery, D3.js, Vue.js, React.js, Angular, PHP, C++, ArcGIS Pro, Java, Python, HTML/CSS, Processing, Assembler, GitHub

Design: QGIS, Adobe Photoshop, Adobe InDesign, Adobe Illustrator, Adobe Premiere Pro, Datawrapper, Flourish, Maya, Blender

RELEVANT EXPERIENCE

The Chronicle of Higher Education: Washington, D.C.

November 2018 – Present

News Applications Developer

- Coordinate with editors, designers and reporters to create static and interactive news graphics, databases, applications and data stories under varying deadlines
- Introduce new data sources to reporters and perform data acquisition, evaluation, cleaning and analysis with tools like Pandas, Jupyter notebooks, R, Python, MySQL, PostGIS and Excel and cross-train members of the data team on tools and processes
- Identify and pitch graphics and interactive opportunities to reporters and editors to increase collaboration between our data team and the newsroom
- Introduce tools like Flourish and brainstorm solutions to push the limits of our CMS to create a visual and data-focused stories
- Built and maintained a web-based news application that tracked and analyzed college's Covid-19 reopening plans for 5 months
- Pitched, led a team of reporters, acquired records, wrote the narrative and developed a web interactive using D3.js, P5.js and other libraries on student debt
- Serve on the intern selection committee and a team of editorial staff members to train the newsroom on the new CMS system

The Atlanta Journal-Constitution: Atlanta, GA

June 2018 – November 2018

Data Intern

- Collaborated with reporters on 5 articles to find and analyze datasets to enhance narrative with data and visualizations
- Developed a web app in two days to show precinct-level results of Georgia's 2018 gubernatorial election and ran live updates
- Wrote Python parsers to extract data from records such as amusement park inspections, pardon documents and 990 forms

SMU Campus Weekly Newspaper: Dallas, TX

August 2015 – May 2018

Online Editor

- Implemented a plan to redesign smudailycampus.com to meet modern web design standards and to focus on reader experience
- Developed a new workflow to integrate with WordPress and Slack for a newsroom with 16 staff and over 40 contributors

Layout/Graphics Editor

- Collaborated with each editor and designed weekly cover art and graphics in Adobe Photoshop and InDesign to attract readers

The Dallas Morning News: Dallas, TX

January 2017 – May 2017

Data and Applications Intern

- Researched, cleaned and visualized data to use in articles with *The Dallas Morning News'* chart creator application
- Matched census data with gun homicides in the Dallas area to develop a visualization and article

DEVELOPMENT PROJECTS

SMU Computer Science Senior Design: Dallas, TX

August 2017 – May 2018

Web Developer

- Led a 3-member team to develop a responsive web application to teach music using Vue.js within a one month period

U.K. NewsWeb: Dallas, TX and London, U.K.

March 2016 – April 2018

Developer and Researcher

- Researched the U.K. media's coverage of the E.U. as the U.K. prepared for the referendum to withdraw from the E.U.
- Developed python scripts to gather and clean data from The Guardian API and displayed findings in a d3.js visualization

EDUCATION

Southern Methodist University

May 2018

Meadows School of the Arts

Bachelor of Arts in Journalism, Creative Computation and Computer Science

Cumulative GPA: 3.816/4.0 - Cum Laude

Honors: Departmental Distinction, Honors in the Liberal Arts, Outstanding Achievement in Digital Journalism, ONA Student Newsroom, Founder's Scholar for Headliner's Foundation, TIPA Second Place for Information Graphic and RA of the Year