

daniella birch

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Experience

Utah Department of Technology Services

Lead Developer

Salt Lake City, UT

August 2021 - present

Lead a team of application developers for the Utah's Department of Health (DOH) as an IT Analyst for the Department of Technology Services (DTS).

Web Developer

Salt Lake City, UT

February 2019 - July 2021

Create and maintain data visualizations, web mapping applications, and APIs for Utah's Department of Transportation (UDOT) as an IT Analyst for the Department of Technology Services (DTS).

Mainframe

Software Engineer

Lehi, UT

July 2018 - October 2018

Develop public facing applications based on Sketch designs. Used Firebase, React, and Yarn to make changes to code and create working applications. Collaborate and share code with other engineers using Github and Trello.

The Salt Lake Tribune

Web Developer

Salt Lake City, UT

June 2016 - May 2018

Create interactive web graphics for online articles using D3 and Leaflet. Data visualizations are svg graphics that were constructed using D3 and Illustrator.

Yelp

Community Ambassador

Urbana, IL

June 2015 - June 2016

Connecting the Champaign-Urbana community with cool local business by organizing monthly events for Yelp users in the area. Help local business make the most of their presence on Yelp by helping them navigate their free biz tools. Marketing on behalf of Yelp to attract new users as well as managing the YelpCU social media presence.

USGS Illinois Water Science Center

Web Developer

Urbana, IL

March 2012 - February 2016

Design and maintain several web mapping applications that consume USGS web services using php and javascript. Create and edit images for il.water.usgs.gov using Adobe Creative Suite. Help scientists display their data to the public as well as fellow scientists. Made technology recommendations to the USGS CTO and CIO and invited experts to present on topics of interest as the Community for Data Integration Tech Stack Working Group Coordinator.

FutuHR

Web Intern

Union, NJ

April 2012 - December 2012

Working from home in Urbana, assist with maintaining and preparing thefutuhr.com for its grand opening. Edited php, sql, css, & photoshop using wordpress cms. Collaborated with minds all over the country.

Education

Parkland College

Champaign, IL

December 2013 Web Design and Management Certificate

University of Illinois

Urbana-Champaign

May 2010 Graduate with BFA in Industrial Design

Skills

Proficient in

HTML, CSS, Sass, JavaScript, Bootstrap, React, Styled Components, SVG, D3, JSON, PHP, SQL, XML, git, NodeJS, REST strategies, CMS tools like Drupal (including module development), responsive design techniques, REST strategies, GeoJSON web mapping APIs, web services, both LAMP and Windows Server working environments. Adobe Photoshop, Fireworks (including animated gifs), Illustrator, Dreamweaver, AfterEffects and InDesign.

Familiar with

Yarn, React Native, Docker, Handlebars, Express, Webpack, TDD, Mocha, ShouldJS, Python, Perl/cgi, ArcMap, PostGIS, and Adobe Flash.

Websites

daniellabirch.com

UDOT Strategic Direction udot.utah.gov/strategic-direction
Utah Elections 2016 bit.ly/2mKi0kT

McHenry County Water Data il.water.usgs.gov/data/mchenry

Honors & Awards

2018 Society of Professional Journalists Utah Headliners
1st place for graphics

2017 Society of Professional Journalists' Top of the Rockies
1st place infographic <https://bit.ly/2JWv8MD>

2012 and 2014 U.S. Geological Survey STAR Award

2009 UIUC Sustainable Ewaste Design Competition
Honorable Mention <http://bit.ly/2bTxr52>

References

Adam Radel

aradel@utah.gov

UDOT Director Of Information Technology

J.C. Nelson

jcnelson@usgs.gov

Science Support Branch Chief at the U.S. Geological Survey Upper Midwest Environmental Science Center

Rachel Piper

rachelmpiper@gmail.com

Digital News Editor at The Salt Lake Tribune