

Brooks Newberry

Open Source Projects

Polling Accessibility (March - April 2016)

Lead developer of a web application to deliver handicap accessibility information about polling places in Sacramento County. Won 2nd prize at the Hack4Sac Competition.

- Parsed building surveys and electoral roll to create easy-to-read accessibility stories which will enfranchise voters with disabilities.
- Used React.js and Flux to build a responsive web interface.

NudgeSMS (October 2015)

Lead developer of an SMS-based service delivering energy-savings tips tailored for individual offices. Won 2nd prize at the GreenGov Challenge.

- Integrated a service with the new California Open Data Portal to generate insights into state sustainability goals.
- Used Node.js, Postgres, Twilio, and other tools to build an SMS service.

Work Experience

State of California Department of Technology (Sacramento, CA)

Innovation branch intern (May 2016 - Present)

- Developed client projects primarily using GIS and web technologies.
- Automated ArcMap and ArcGIS server to generate climate investment reports.
- Developed an internal geocoding utility based on React.js and OpenLayers.

Open Mobile Alliance (San Diego, CA)

Open Mobile Alliance (OMA) is a mobile standards development organization.

Developer for Change Request Documentation Site (August 2012 - December 2015)

- Communicated project requirements and managed deadlines with a remote development team.
- Used the Wordpress theme and plugin APIs to extend its core functionality.
- Reviewed code for consistency with best practices for extending Wordpress.
- Extended a Confluence wiki using client-side javascript.

Volunteer Experience

Code for Sacramento, a Code for America Brigade (Sacramento, CA)

Core Team Member (March 2016 - Present)

- Contributed code to development projects and participated in brigade guidance meetings.

YMCA of San Diego County (San Diego, CA)

Youth & Government Advisor (August 2013 - February 2015)

Contact

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Career Objective

As a full stack developer, I like to work directly with clients, and to take ownership of products from the back-end to the front. I am looking to start my development career with a team that values collaboration and continuous learning.

Certifications

AWS Certified Developer - Associate

Technical Skills

Node.js

ES2015

HTML + CSS

AWS

Python

PHP

Swift

Git

SQL

Postgres

React + Flux

Wordpress

ArcGIS

Remote Sensing

Education

Bachelor of Science in Environmental Science and Management (2017)

Concentration in Geospatial Information
Science

University of California, Davis

Associate of Arts in Math and Science (2015)

MiraCosta College, San Diego, CA

- Lead advisor for a group of 12 high school students in small groups and at large conferences.
- Instructed students in reading and writing model legislation and in public speaking.