

# Brooks Newberry

## Open Source Projects

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### 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

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### 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

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### 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)

- 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.

## Contact

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## Career Objective

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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

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AWS Certified Developer - Associate

## Technical Skills

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Node.js

ES2015

HTML + CSS

AWS

Python

PHP

Swift

Git

SQL

Postgres

React + Flux

Wordpress

ArcGIS

Remote Sensing

## Education

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### 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