

# 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 second prize at the Hack4Sac Competition.

- Converted and imported linked data into a relational database.
- Used Google Maps to query and display county polling places.
- Parsed building surveys and electoral roll to create easy-to-read accessibility stories which will enfranchise voters with disabilities.

### NudgeSMS (October 2015)

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

- Integrated a service with the new California Open Data Portal to generate insights into state sustainability goals.

## 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 OpenLayers and React.js.

### 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.
- 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)

- 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

---

858.736.4649

mail@brooks.is

<https://brooks.is>

<https://github.com/brooksn>

<https://linkedin.com/in/brooksnewberry>

## Career Objective

---

I'm excited for the opportunity to prepare maps and spatial analysis for environmental and planning projects using enterprise and open source GIS tools on desktop, server, and web environments. I am looking to start my career with a team that values collaboration and continuous learning.

## Certifications

---

AWS Certified Developer - Associate

## Technical Skills

---

ArcGIS

ENVI

Remote Sensing

Python

R

Git

SQL

HTML + CSS

JS

AWS

## 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