

# Juli A. Brady

## Contact

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## ABOUT ME

In 2014, I began my journey to become a software engineer and I am now seeking full-time, entry-level opportunities.

I acquired my Civil Engineering license in 2008 from the State of California. I have been an environmental engineer since 2003, specializing in soil and groundwater remediation.

My professional experience has included: managing a small business, managing projects, coordinating with clients, training staff, designing and constructing remediation systems, evaluating data, and writing technical reports.

I bring a professional-level of experience and engineering ability to my new career as a software engineer, in addition to a proven track record of hard work and success.



## TECHNICAL EXPERIENCE

### Software Engineering Fellow

Hackbright Academy, September 2014 to December 2014  
Graduated Hackbright Academy, a highly selective (7.5% acceptance rate) full-time, 10-week, full-stack software engineering immersion program in San Francisco, California.

Curriculum included:

Backend: Python, Flask, SQL, SQLAlchemy

Frontend: JavaScript, jQuery, HTML, CSS,

Industry tools: CLI, GIT, Pair Programming, Deployment

CS: Data Structures and Algorithms, Best Practices

### Technical Online Learning

Treehouse Academy, January 2015 to Present

Udacity, October 2015 to Present

Coursera, February 2015



## PROFESSIONAL EXPERIENCE

### Civil/Environmental Engineer

July 2003 to September 2014

Senior Environmental Engineer

**Streamborn** | Berkeley, CA | October 2013–September 2014

- Prepared proposals and cost estimates for clients.
- Interacted with clients and government regulators daily.
- Made on-the-spot project decisions in the field.
- Managed simultaneous projects, budgets, and deadlines.

Junior Environmental Engineer

**Iris Environmental** | Oakland, CA | April 2011–September 2013

- Collaborated with teams regarding best project strategies.
- Managed multiple internal staff and professional vendors.
- Developed a sampling program and trained staff on best use.

Junior Environmental Engineer

**Streamborn** | Berkeley, CA | November 2006–April 2011

- Projected and managed project budgets.
- Designed and constructed remediation systems.
- Coordinated and planned all components of field work.
- Managed day-to-day operations of a small business.

Staff Engineer

**Kennedy/Jenks** | Sacramento, CA | July 2003–November 2006

- Conducted field work to investigate contaminated soil and groundwater.
- Produced project investigation reports.
- Provided QA/QC on large amounts of investigation data.



## SKILLS

Python

JavaScript

jQuery

Jinja2

SQL

SQLAlchemy

HTML/CSS

Git

Flask

Ajax



## PROJECTS

### Getgo (5-week solo project)

Designed a web application allowing users to plan an art and wine stroll through Oakland by bike from any location within the city.

Deployed: <https://getartandgo.herokuapp.com>

Github: [jabrad0/Getgo](https://github.com/jabrad0/Getgo).

Stack: Python, Flask, JavaScript, jQuery, Jinja2, HTML, CSS, Google Maps, JavaScript v3 API, Yelp API

### Spiritual Corky (1-week solo project)

Created a twitterbot program that generates a mash-up of quotes from the films "Jesus Christ Superstar" and "Waiting for Guffman" using Markov chains.

Twitter: @Spiritual\_Corky

Github: [jabrad0/Spiritual\\_Corky](https://github.com/jabrad0/Spiritual_Corky)

Stack: Python, Twitter API

### Udacity Front End Nanodegree (6-month online project)

Completed a series of classes to create a portfolio of projects highlighting front end development skills.

Deployed: <https://www.julibrady.com>

Github: <https://github.com/jabrad0/portfolio>

Stack: Javascript, jQuery, HTML5, CSS, HTML5 Canvas, Bootstrap, Grunt, GoogleMaps API



## EDUCATION

### Masters of Engineering, Biosystems and Agricultural

University of California, Davis

Davis, CA | 2001–2003

Published two first author publications in peer-reviewed journals.

### Bachelor of Engineering, Biosystems and Agricultural

University of Kentucky

Lexington, KY | 1995–2000



## LICENSURE

### Professional Civil Engineer

California PE License #C72579