



# KRISHELLE HARDSON-HURLEY

SOFTWARE ENGINEER, CURRICULUM & LEARNING  
SPECIALIST

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## EDUCATION

### MASTER'S DEGREE

Mathematics, Science and  
Technology Education  
3.91/ 4.0  
University of San Diego  
2010 – 2013

### BACHELOR OF ARTS

Mathematics and Spanish  
Double Major, Summa Cum Laude  
3.86/ 4.0  
University of San Diego  
2006 – 2010

### CERTIFICATIONS

Software Engineering  
Hackbright Academy  
2016

California Single Subject Teaching  
Credential  
2010

## ACCOMPLISHMENTS

Facebook Diversity  
Full Scholarship Award Recipient  
Hackbright Academy  
2016

Outstanding Female Senior  
Alcala Award Recipient  
University of San Diego  
2006

## ABOUT ME

Former high school mathematics and language teacher turned Software Engineer with a passion for design, a love of problem solving and a strong perspective on learning.

- *Technical Skills:* Python, Flask, SQL, PostgreSQL, SQLAlchemy, Javascript, JQuery, Jinja, JSON, AJAX, HTML, CSS, Bootstrap, Git, Github, Bash, Linux, Chef, Bazel, Kafka, Nagios, Remctl, Google App Engine, esquery.
- *Language Skills:* Professional level fluency in Spanish.
- *Hobbies and Interests:* [Tech blogging](#), crafting, soccer, visiting Disney parks, cake decorating.
- *Countries Visited:* Morocco, Japan, Belgium, France, Italy, Spain, Mexico, Canada, Jamaica, Cayman Islands.

## EXPERIENCE

### ADECCO

*Computer Science Curriculum Developer* *Sept. 2017 - Present*  
As part of Google's Incubator *Area 120*, I am serving a 3 month contract supporting a start up called Grasshopper to write lessons for an Android App that teaches users to code.

- Design lessons to address key concepts of course 2, including functions, for loops, objects, and conditionals.
- Write Javascript code for starter and solution code. Write queries for validation of code using esquery.

### DROPBOX

*Network Reliability Engineer* *Aug. 2017 - Present*  
Serving as a Site Reliability Engineer with a focus on making the network available and reliable.

- Planned, designed and developed a plugin to automate the pushing of ssh keys to all network devices.
- Managed an effort to create a portfolio of best practices for improving network reliability.

*Site Reliability Engineer Apprentice* *Nov. 2016 - Aug. 2017*

As part of a 9 month Apprenticeship Program, served on both the Traffic and the Monitoring Team as well as in the company's top level on-call rotation.

- Implemented Chef and Bazel to manage the migration of several services within Dropbox's large-scale distributed system.
- Participated in technical design reviews and built technology to replace Nagios' NRPE daemon.
- Built Command Line Interface to measure capacity utilization of Kafka partitions.
- Added monitoring and analytics to internal outage reporting system.
- Migrated Dropbox's open source PagerDuty Python library ([pygerduty](#)) to be compatible with version 2 of the PagerDuty API.
- Contributed to several internal diversity initiatives.

### SAN LEANDRO UNIFIED SCHOOL DISTRICT

*Mathematics Teacher* *Aug. 2015 - June 2016*  
Taught six courses of 9th grade Algebra and Geometry, compared to the normal load of five courses per teacher.

- Took on leadership role of mentoring one colleague through a rigorous Teacher Induction Program.

### SAN DIEGO UNIFIED SCHOOL DISTRICT

*Mathematics and Spanish Teacher* *Aug. 2010 - June 2015*  
Taught various courses in Mathematics and Spanish (9th - 12th grade) as well as served as a Sports Advisor for a Competitive team for four years.

- Wrote and presented lessons (to an average 180 students per day) that break down complex concepts and communicated them in an easy to understand manner.
- Optimized learning time by creating classroom structures that aimed to predict student pitfalls ahead of time and plan supports accordingly.
- Built and maintained classroom environments appropriate to the subject.

## INDIVIDUAL PROJECTS

Parrot: A Language Learning Web Application [Github](#)  
Flask application using 'newspaper' Python library to get Spanish articles for second language learners with in-line translation via Google Translate API, commenting and SMS messaging via Twilio API. Built using Python, PostgreSQL, SQLAlchemy, Javascript, HTML and CSS.