

# Zach Gulde

## Summary

I like solving both technical and business problems with code and data, sharing knowledge with others, automating the automatable, and a good cup of hot coffee.

*\*Note: this resume has been prepared with minimal formatting. Visit <https://zgulde.net/> for a prettier version.*

## Contact

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## Skills

**Programming Languages** Python | JavaScript | Java | HTML | CSS | Clojure | Bash | PHP

**Development** Web Applications | Command Line Tools | Infrastructure Automation | Cloud Deployments | React | Docker | Git | JSON APIs | Object Oriented Programming

**Data** Web Scraping | Data Wrangling | Data Visualization | R | Applied Statistics | Machine Learning

## Education

**Codeup** Sep 2015 to Feb 2016 Certificate of Completion in Web Development

**Texas A&M** Sep 2008 to May 2012 BS Anthropology (Incomplete)

**Western Governors University** Jan 2017 to June 2021 BS Software Development

## Certifications

**Java SE 8 OCA** Oracle Mar 2017

**A+** CompTIA May 2018

**Project+** CompTIA Jun 2020

**ITIL 4 Foundation** PeopleCert Oct 2020

## Experience

**Codeup** Curriculum Developer, Data Science Instructor, Web Development Instructor Feb 2016 to Present (5 years)

I split my time between teaching, improving Codeup's curriculum, and working on internal tools and infrastructure.

- Designed and implemented Codeup's change from teaching PHP to Java and introduction of Data Science.
- Designed, implemented, and maintain a custom LMS, including curriculum versioning and deployment
- Continuously update and improve curriculum content for Full-Stack Java and Data Science

- Mentor students and manage 4-6 project groups during their 3-week real-world capstone projects

**Whiskr** | Software Developer | *May 2016 to May 2017 (1 year)*

- Built out RESTful endpoints for social media influencer tracking into an existing PHP + Laravel application
- Built an automated webscraper with selenium and python to acquire cruise price data

## Projects

### Codeup Curriculum

I co-authored Codeup's custom curriculums for both the web development and data science programs. The course takes students from little to no background to enough knowledge to be a practitioner.

### Cods

Bash scripts that automate the cloud deployment of Java, Python, PHP, or Node web applications and static web sites to one or more virtual private servers.

[github.com/zgulde/cods](https://github.com/zgulde/cods)

### Codeup Tools Application

Internal Custom Tool for Codeup Instructors and Administrators. PHP, HTML, CSS, and Javascript code integrates curriculum access management, custom quizzes, and student grade management, and student notes.

### GitHub Activity Tracker

A tool to keep tabs on Codeup students' GitHub activity. Python code reads from a MySQL database, fetches information from the GitHub JSON API, and updates a Google sheet available to various stakeholders.

### Portfolio

Check out [my open source portfolio \(https://zgulde.net/portfolio/\)](https://zgulde.net/portfolio/) for more selected works, or browse through any of the repositories on my GitHub.