



# BILL EDWARDS

## SOFTWARE ENGINEER / DIGITAL MARKETING EXPERT

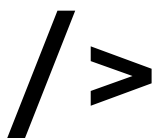
### / ABOUT ME

Whether it's a language (natural or programming) or tech stack, I'm always passionate about learning something new, and I have a proven track record of bootstrapping to meet new challenges and producing results from day 1. I'm in love with code, so let's build something amazing together!

### / CONTACT

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[github.com/AdditionalPylons](https://github.com/AdditionalPylons)



### / INTERESTS

- Language learning, rare language preservation
- Fitness & healthy living, AT section-hiking
- Machine learning / big data projects
- Gaming (especially solo/small-team indie games!)

### / PROJECTS & OPEN SOURCE

#### CANTOCARDS

[github.com/AdditionalPylons/cantocards](https://github.com/AdditionalPylons/cantocards)

Current project, app to automate lookup of Mandarin/English words in Taishanese/Cantonese.

#### BENJAMIN

[github.com/AdditionalPylons/benjamin](https://github.com/AdditionalPylons/benjamin)

Flask-based web app to help cash-first users track expenses.

#### PYGAME

[github.com/pygame/pygame/pull/2009](https://github.com/pygame/pygame/pull/2009)

Open source contribution to expand Pygame test coverage.

#### ASYNCR EMAIL SCRAPER

[github.com/AdditionalPylons/async\\_email\\_scraper](https://github.com/AdditionalPylons/async_email_scraper)

Commissioned email scraping script; runs asynchronously in 6 minutes, saved hours of manual work for client.

#### POEM GENERATOR

[github.com/AdditionalPylons/Poem-Generator](https://github.com/AdditionalPylons/Poem-Generator)

Generates a random poem based on a domain-specific grammar; written in Scala.

### / TECHNOLOGIES & SKILLS

- Python3 (Anaconda), Scala
- Django, Flask, Asyncio, Tensorflow, Numpy, Pandas
- Linux, Git, Github, Postman, Jenkins, Jira, Atom, VS Code, IntelliJ, Slack, DBVisualizer, QueryPie
- PostgreSQL, MySQL, AWS (Elastic Beanstalk, Redshift, Athena, Aurora), GCP (App Engine, Cloud Compute)
- Professional-level fluency in Mandarin Chinese
- Continuous integration, thorough testing & documentation
- Experience working remote with virtual stand-ups and completing weekly stories
- Experience managing new project direction and a small team
- Experience with start-ups and "wearing many different hats"

### / PROFESSIONAL EXPERIENCE

#### >> Software Engineer

University of Mexico | Mexico City, Mexico

Jan. 2020 - Aug. 2020

6-month coding sabbatical to strengthen my knowledge of data structures and algorithms while learning Spanish that ran long because of COVID travel concerns. Worked on freelance coding projects and open source to gain additional real-world experience.

#### >> Technical Account Manager

Sift Media, Inc. | Durham, NC / Shanghai, China

Oct. 2017 - Dec. 2019

At Sift, we built a machine learning system to value and bid on billions of ad placements per second in real-time auctions to serve the best ads for our partners, from Uber Eats to Twitter. I was responsible for the China and APAC markets--signing new partners, attending trade shows, and managing all ad campaigns in the region. I grew revenue from \$100/day to \$20,000/day in the first year, was able to learn SQL, Scala, and Python on the job, and got familiar with AWS, Jenkins, and Jira. I tested the incoming JSON and integrated partner REST APIs, imported new partners' campaigns into the database, and took the lead on launching our new Shanghai office and China data center.

### / EDUCATION

Beijing Normal University

Bachelor in Chinese Language

2017

4-year Full Chinese Government Scholarship Recipient