

# Michael Stokley

Seattle, WA

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## Profile

Software developer. I'm patient enough to take difficult projects seriously, and impatient enough to automate tedious, needlessly-manual work. In my previous accounting position, I greatly exceeded expectations by teaching myself SQL and relational database theory in order to automate the vast majority of my data entry / data quality tasks (and avoid using a cumbersome GUI). Since then, I spent two years studying math, computer science, and statistics at North Seattle College, attended Code Fellows' Python Development Intensive (taught by esteemed pythonista Cris Ewing), and have independently studied the classic textbook *The Structure and Interpretation of Computer Programs*. Recently I helped to co-found a local big data / nlp startup, and have been working as a freelance web developer.

## Technical Skills

### Proficient

Python, Django, Django REST Framework, Pyramid, Git, SQL, HTML/CSS, JavaScript/jQuery, Unix systems, Shell Scripting, Org-mode, Regular Expressions

### Familiar

AWS Deployment, Heroku Deployment, Ansible, PostgreSQL, Nginx, Unicorn, Scheme, Sed

## Experience

### Freelance Web Developer

*Red Mountain Software, Seattle, WA*

2016.08 - present

Ongoing work to design, build, and test internal management application according to client specification.

- Designed and implemented database schema
- Wrote models, views, and templates
- Wrote a method to display arbitrary model fields (including reverse relationships) for arbitrary models

### Co-founding Software Developer

*Sternshus, Inc, Seattle, WA*

2016.07 - 2016.09

Provided front-end solutions in the context of rapidly changing business requirements. Worked primarily in Webflow, Django, and MySQL.

- Wrote sed and python scripts to automate merging of Webflow files into Django project

### AR Specialist

*Cleanscapes, Seattle, WA*

2012.04 - 2015.04

- Wrote and maintained a library of accurate, sophisticated SQL queries to capture evolving data inconsistencies; these queries eliminated 37.5 labor hours per month despite at 126% increase in customer accounts over a two year period
- Designed database reports for internal and external customers, such as government officials and senior management
- Delegated data entry / data revision tasks
- Collaborated with operations, data quality, payment processing, and customer service teams to analyze and improve processes as new city contracts were won

## Projects

### Reciprocity

[github.com/TeamReciprocity/reciprocity](https://github.com/TeamReciprocity/reciprocity)

2016.04

A full stack Python web application for recipe sharing and collaboration. Built with Django and PostgreSQL, deployed via Ansible to an AWS EC2 instance.

### Toy Domain Scraper

[github.com/mastokley/toy\\_domain\\_scraper](https://github.com/mastokley/toy_domain_scraper)

2016.04

Toy web scraper built in Python. Uses breadth-first traversal for fast, reliable results.

### HomeQuest

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

2016.04

A full-stack Python web application to gamify household chores and chore management. Manually implemented authorization, authentication, and row-level security. Built in Pyramid with a PostgreSQL database and deployed on Heroku.

## Education

### Code Fellows

*Certificate*

Seattle, WA

2016

Advanced Python development, with emphasis on test driven development, pair programming, agile methodologies, version control, and basic data structure and algorithms

### North Seattle College

*Coursework in Math, Computer Science, and Statistics*

Seattle, WA

2012–2014

### St. John's College, Annapolis, MD

*B. A. in Philosophy*

Annapolis, MD

2009