

MICHAEL SENDKER

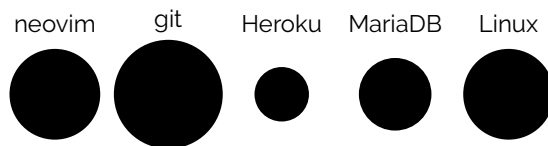
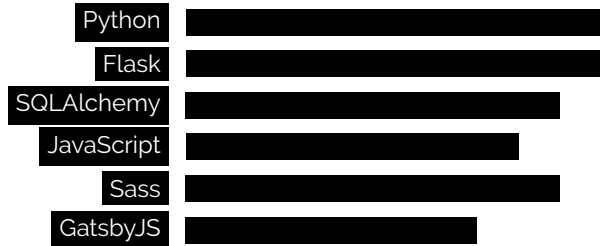
Software Developer

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WHO AM I?

I consider myself principally a Python developer. I have spent the past three years developing a diverse range of software in Python, from ETL pipelines to password generators to combinatoric optimizers. But by far most of my time has been spent developing a single web application, consisting of $\approx 14,000$ lines of code in Python, Flask, and SQLAlchemy, in the pursuit of my obsession with literature: anno.wiki.



PROJECTS

- 2018 – Current **anno.wiki (International Canon Cloud)** Web App
Designed, developed, launched, and maintained solo. $\approx 14,000$ lines of code. Backend using Flask/SQLAlchemy. Frontend using Jinja2, Sass, and VanillaJS. Wrote many ETL data pipelines for processing Project Gutenberg texts. Required an incredible amount of problem solving. Learned entire web application life cycle. Maintained at anno.wiki.
Python / Flask / SQLAlchemy / MariaDB / Elasticsearch / pytest / Heroku
- 2019 – 2020 **glendalepainting.com** Static Site
Commercial painting company portfolio. Default Gatsby starter. Collaborated with friend for project gallery. React-spring for parallax.
JavaScript / GatsbyJS / GraphQL / react-spring / styled-components / Netlify
- 2020 **vote.py** Scheduler
Automated Python script to encourage and remind people to register to vote. Deployed using AWS EC2 instance to enable continuous service. Integrated Twilio as texting client.
Python / sched / AWS EC2 / Twilio
- 2020 **standingwater.io & blog.standingwater.io** Static Sites
Two static sites using GatsbyJS. One using an HTML5Up template, the other the default starter.
JavaScript / GatsbyJS / GraphQL / styled-components / Netlify
- 2019 **Minimal Pairs Scraping Project** Scraper
Generated an Anki deck with audio files for recognizing phonemes difficult to hear for an American English speaker using "minimal pairs," words in French which differ by only one phoneme. Forvo API request limit of 500 per day, used JSON file to save progress. Full project took 4 days of downloading.
Python / requests / BeautifulSoup4 / json / csv

EDUCATION

- 2008 – 2010 **Philosophy and Classics** Florida State University
Focus on Ancient Philosophy, particularly Aristotle, Philosophy of Mind, and Symbolic Logic. Ancient Greek and Latin. President of Philosophy Club (2010)
- 2007 – 2008 **Philosophy** University of South Florida
General introductory classes, Social Philosophy, Critical Thinking

LANGUAGES

English - native, French - proficient,
Spanish - rudimentary

HOBBIES

I love high culture. Wine, literature, music, art cinema; anything that makes life worth living. And running.

STRENGTHS

I have had enough experience learning new things to have full confidence in my ability to learn anything.