

MICHAEL SENDKER

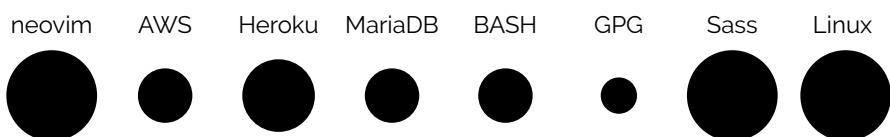
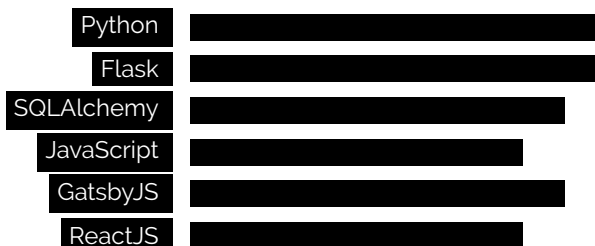
Software Developer

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WHO I AM

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.



EXPERIENCE

2018 – Current

anno.wiki (International Canon Cloud)

Flask 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

2020

language-map.com

ReactJS App

ReactJS web app to show which countries speak your language. Built using React Simple Maps and Material-UI components. Required extensive data-gathering web scraping project.

JavaScript / ReactJS / React Simple Maps / Material-UI / Python / BeautifulSoup4

2020

Letters of John and Abigail

Twitterbot

A bot that tweets the corpus of the letters of John and Abigail Adams. Hosted on AWS Lambda using AWS DynamoDB for keys to access texts hosted on Netlify.

Python / Tweepy / AWS Lambda / AWS DynamoDB / Boto3 / BeautifulSoup4

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 / Twilio / AWS EC2 / tmux

2019

Minimal Pairs Scraping Project

Scraper

Anki deck with audio files for recognizing phonemes difficult for an American English speaker using "minimal pairs," words in French which differ by only one phoneme. API request limit of 500 per day required use of JSON file to save progress.

Python / requests / BeautifulSoup4

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

FREE TIME

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

CLOSING ARGUMENT

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