









# MICHAEL SENDKER

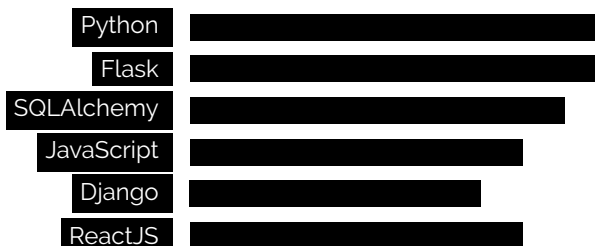
Software Developer

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## WHO I AM

I prefer Python, but I wear many hats. I have written code in C#, Python, vanilla JavaScript, and ReactJS. I have built static sites in GatsbyJS, interfaces in WPF, and web scrapers and ETL scripts in Python. I even built an arduino-based PID controller for a popcorn popper to roast my own coffee. But by far most of my time has been spent developing a single web technology, consisting of  $\approx 14,000$  lines of code in Python, Flask, and SQLAlchemy, in the pursuit of my obsession with literature: anno.wiki.



## EXPERIENCE

2017 – 2019	<b>Intertextual Canon Cloud (anno.wiki)</b> The ICC is a web application designed to allow for collaboratively building an exhaustive and definitive repository of annotated literature. I designed, developed, deployed, and continue to maintain the project solo, managing occasionally to rope in some programmer friends for help with various features. It consists of $\approx 14k$ lines of code and $\approx 100k$ lines of code churn. The backend uses Flask/SQLAlchemy. The frontend uses Jinja2, Sass, and VanillaJS. I also had to write several ETL data pipelines for processing Project Gutenberg texts. Deployed via Heroku. I learned the entire web application life cycle on this project, and it continues to teach me. It is currently maintained at anno.wiki. Python / Flask / SQLAlchemy / MariaDB / Elasticsearch / pytest / Heroku	Flask App
2019 – Current	<b>Intertextual Canon Cloud 2</b> Second iteration of anno.wiki/ICC with improved data architecture and a single-page application front end based in React. Using Elasticsearch to store texts and PostgreSQL to store annotations and general application data allows for faster line searching. Also wrote more sophisticated text processors for breaking text into 100k byte chunks and annotating stylistic elements, while stripping all styling from the raw text. Python / Flask / SQLAlchemy / Elasticsearch / PostgreSQL / Docker / Auth0 / ReactJS	Flask/React App
2020 – Current	<b>Euler Sciences LLC</b> Developed GUI interface for laser system meant to treat skin conditions. Also developed the company website. C# / Windows Presentation Foundation / SQLite / GatsbyJS	Contract Developer
2020 – Current	<b>Healthy Brands, LLC</b> - Multithreaded scraper and alert system for notifying company of BuyBox loss events on Amazon - Launched Django-based question and answer forum - Designed and maintained several WordPress sites - Modified Shopify templates Python / Twilio / AWS EC2 / tmux	Contract Developer
2020	<b>language-map.com</b> 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	ReactJS App
2020	<b>Letters of John and Abigail</b> 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	Twitterbot

## EDUCATION

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

## LANGUAGES

**English** — native,  
**French** — fluent,  
**Spanish** — rudimentary

## FREE TIME

I love high culture. Coffee, wine, cheese, cocktails, literature, music, art, cinema, science; 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.