

# Sam Frances

Cambridge, UK  
✉ [sam@samfrances.uk](mailto:sam@samfrances.uk)  
📄 [samfrances.co.uk](http://samfrances.co.uk)  
🌐 [samfrances](#)  
in [samfrances](#)

*Self-taught web developer with solid abilities in front-end and back-end development. I enjoy pushing myself to master new languages, frameworks, design patterns and programming paradigms.*

## Technical Skills

### Languages

- \*\*\* Python, Javascript, HTML5, CSS3
- \*\* TypeScript, SQL
- \* Go, Haskell, C, PHP

### Frameworks/Libraries

- \*\*\* Django
- \*\* JQuery, Flask, Tornado
- \* Aiohttp, Ansible, Jasmine, Knockout, Google App Engine, Google Cloud Endpoints

### Other

- OS Ubuntu Linux
- VCS Git/Github
- Editors Sublime, Vim

## Work Experience

2016–current **Junior Front End Developer**, *Cydar Ltd*

2010–2016 **Public Affairs Executive**, *The London Internet Exchange Ltd (LINX)*

- Required a high-level understanding of Internet architecture and the TCP/IP protocol suite in order to understand and explain the impact of new policy developments on network operators.

## Project Experience

April 2016 **Kalah Game API**, [github.com/samfrances/udacity-kalah](https://github.com/samfrances/udacity-kalah)

- Created an API for Kalah, a turn-based two-player AI count and capture board game.
- Written in Python using Google App Engine, Cloud Endpoints and Datastore.

February 2016 **Catalog App**, [github.com/samfrances/udacity-item-catalog](https://github.com/samfrances/udacity-item-catalog)

- Developed a content management system using the Flask framework in Python.
- Authentication is provided via OAuth and all data is stored within a PostgreSQL database.

November 2015 **Swiss Tournament**, [github.com/samfrances/udacity-swiss-system-tournament](https://github.com/samfrances/udacity-swiss-system-tournament)

- Designed and created a database for managing multiple Swiss-system tournaments simultaneously.
- Employed advanced SQL features such as views and triggers.

February 2015 **Udacity Movies Website**, [github.com/samfrances/udacity-movies-website](https://github.com/samfrances/udacity-movies-website)

- Developed a single-page application to retrieve and display information from the Open Movie Database API, and combine with related trailers from Youtube.
- Combined both front- and back-end technologies, including Python, Bootstrap, JQuery, WSGI, HTML5 and Javascript.

February 2014 **MVC todo list demo**, [github.com/samfrances/todo-mvc-demo](https://github.com/samfrances/todo-mvc-demo)

- Simple Javascript todo list application, written as an exercise in creating an MVC Javascript application, without an MVC framework.

## Certifications and Professional Development

2016 **Front-End Web Developer Nanodegree**, *Udacity*, [profiles.udacity.com/u/samfrances](https://profiles.udacity.com/u/samfrances)

2016 **edX Computer Science**, *MITx, HarvardX*

- MITx: 6.00.1x Introduction to Computer Science and Programming Using Python, [git.io/vK7kh](https://git.io/vK7kh)
- HarvardX: CS50x Introduction to Computer Science, [git.io/vK7lc](https://git.io/vK7lc)

2015 – 2016 **Full Stack Web Developer Nanodegree**, *Udacity*, [profiles.udacity.com/u/samfrances](https://profiles.udacity.com/u/samfrances)

- 2015 **LINUX Accredited Internet Technician 1**, *Systems & Network Training*
- 2012 – 2013 **Udacity computer science certificates**, *Udacity*
- CS101 Introduction To Computer Science, [git.io/vK7OQ](https://git.io/vK7OQ)
  - CS253 Web Development, [git.io/vK7Op](https://git.io/vK7Op)
  - CS255 HTML5 Game Development, [git.io/vK73T](https://git.io/vK73T)
  - CS262 Programming Languages, [git.io/vK73Y](https://git.io/vK73Y)

---

## Education

- 2009–2010 **M. A. Linguistics**, *University College London*
- 2006–2009 **B. A. Philosophy**, *King's College London*