

Sam Frances

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
- ** SQL
- * TypeScript, Haskell, C, PHP

Frameworks/Libraries

- *** Django
- ** JQuery, Flask
- * 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
 - Created an API for Kalah, a turn-based two-player board game.
 - Written in Python using Google App Engine, Cloud Endpoints and Datastore.
- February 2016 **Catalog App**, 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
 - 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
 - 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
 - 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
- 2016 **edX Computer Science**, *MITx, HarvardX*
 - MITx: 6.00.1x Introduction to Computer Science and Programming Using Python, git.io/vK7kh
 - HarvardX: CS50x Introduction to Computer Science (ongoing), git.io/vK7lc
- 2015 – 2016 **Full Stack Web Developer Nanodegree**, *Udacity*, profiles.udacity.com/u/samfrances
- 2015 **LINX Accredited Internet Technician 1**, *Systems & Network Training*

- 2012 – 2013 **Udacity computer science certificates**, *Udacity*
- CS101 Introduction To Computer Science, git.io/vK7OQ
 - CS253 Web Development, git.io/vK7Op
 - CS255 HTML5 Game Development, git.io/vK73T
 - CS262 Programming Languages, git.io/vK73Y

Education

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