# Sina Sajadmanesh

Zurich, Switzerland sina.sajadmanesh@gmail.com sajadmanesh.com sajadmanesh sisaman

## Welcome to RenderCV!

RenderCV is a LaTeX-based CV/resume version-control and maintenance app. It allows you to create a high-quality CV or resume as a PDF file from a YAML file, with **Markdown syntax support** and **complete control over the LaTeX code**.

The boilerplate content was inspired by Gayle McDowell.

## Quick Guide

- Each section title is arbitrary and each section contains a list of entries.
- There are 7 unique entry types: *BulletEntry*, *TextEntry*, *EducationEntry*, *ExperienceEntry*, *NormalEntry*, *PublicationEntry*, and *OneLineEntry*.
- Select a section title, pick an entry type, and start writing your section!
- Here, you can find a comprehensive user guide for RenderCV.

## Education

**Swiss Federal Institute of Technology (EPFL)**, PhD in Electrical Engineering — May 2019 – Aug 2023

**Sharif University of Technology**, MSc in Information Technology Engineering — Sept 2014 – Sept 2016

**University of Isfahan**, BSc in Computer Software Engineering — Sept 2009 – Feb 2014

## Experience

**Sony AI**, AI Engineer – Zurich, Switzerland — Oct 2023 – present

- Developed an end-to-end open-world classification pipeline using OpenMMLab frameworks and HuggingFace to train and test privacy-preserving **vision foundation models** for Sony's next-generation AI products.
- Improved the speed of training and inference of models by optimizing the code and leveraging distributed computing.

**Microsoft**, Software Engineer Intern – Redmond, WA — June 2003 – Aug 2003

- Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows
- Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching
- Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$
- Created a test case generation tool that creates random XML docs from XML Schema
- Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts

## Publications

**3D Finite Element Analysis of No-Insulation Coils** — Jan 2004

Frodo Baggins, ***John Doe***, Samwise Gamgee

10.1109/TASC.2023.3340648

## Projects

**Multi-User Drawing Tool** — github.com/name/repo

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

**Synchronized Desktop Calendar** — github.com/name/repo

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

**Custom Operating System** — 2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator

- Tools Used: C

## Technologies

**Languages:** C++, C, Java, Objective-C, C#, SQL, JavaScript

**Technologies:** .NET, Microsoft SQL Server, XCode, Interface Builder