

# Carles Figuerola

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## Welcome to RenderCV!

RenderCV is a LaTeX-based CV/resume framework. It allows you to create a high-quality CV or resume as a PDF file from a YAML file, with **full 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

**BS**    **University of Pennsylvania**, Computer Science    Sept 2000 – May 2005  
 • GPA: 3.9/4.0 ([Transcript](#))  
 • **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

## Experience

**Apple**, Software Engineer    Cupertino, CA  
 June 2005 – Aug 2007  
 2 years 2 months  
 • Reduced time to render user buddy lists by 75% by implementing a prediction algorithm  
 • Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database  
 • Redesigned chat file format and implemented backward compatibility for search

**Microsoft**, Software Engineer Intern    Redmond, WA  
 June 2003 – Aug 2003  
 2 months  
 • 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


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### Multi-User Drawing Tool

[github.com/name/repo](https://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](https://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

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

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