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Catharina van Veen

You might not think that programmers are artists, but programming is an extremely creative profession. It's logic-based creativity.

- John Romero -

Skills Summary

Object Oriented Programming	R	CSS 3
Database Design	SQL / LINQ	Git / GitHub
Python 3	SQLite 3 / MS SQL Server	Azure
Django	MVC / MVT	Data Science
C# .NET	Agile / Scrum	Visual Studio
Bootstrap 4	JavaScript / jQuery	PyCharm
Entity Framework	HTML 5	Jupyter Notebook

Programming Highlights

- **Python / Django / Bootstrap**: A web app to keep track of classical cd's, compositions, and musicians in a relational database. Full CRUD functionality. Utilized an API of MusicBrainz.com and web scraping (Beautiful Soup). Created a REST API to connect to the database. GitHub
- **C# .NET**: Contributed to a full-scale C# (ASP.NET MVC) web application for a theater group. Added features, either by modifying pre-existing code or writing new code, using C#, JavaScript, jQuery, Ajax, HTML and CSS. GitHub
- **Python / Jupyter / Data Science:** Worked with a time series, analyzing trend and seasonality. Utilized Machine Learning for prediction using Linear and non-Linear Regression. GitHub
- **Python / tkinter**: This project uses the **tkinter** module and the **SQLite relational database**. The project functions as a student tracking system. GitHub
- **HTML / CSS / JavaScript**: Basic portfolio webpage using **html**, **CSS** and some **JavaScript**. The project has a slideshow, image effects, hover effects, fade effects and animation effects. GitHub Website
- **C# .NET**: A console game of Blackjack using the custom-made Casino library. GitHub

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Professional Experience

Prosper IT Consulting, *Date Scientist-Intern (remote)*   *Feb 2020*

Using python and Jupyter Notebook, performed data analysis and created reports. Included data analysis, data wrangling, statistical analysis, and data visualizations. Worked with a time series, analyzing trend and

seasonality. Performed Linear Regression Analyses and Two-way ANOVA tests. Utilized Machine Learning for prediction using Linear and non-Linear Regression, and for Clustering using K-prototypes Clustering for Mixed Categorical and Numerical data.

Prosper IT Consulting, *Full Stack Software Developer-Intern (remote)*   *Dec 2020-Jan 2021*
Worked with a team of colleagues on developing a full-scale C# (ASP.NET MVC) web application for a theater group. The website keeps track of productions, cast members, subscribers etc. Added features, either by modifying pre-existing code or writing new code. Also made several suggestions for improving the database structure. Worked on back-end and front-end, using C#, JavaScript, jQuery, Ajax, HTML and CSS.

Prosper IT Consulting, *Full Stack Software Developer-Intern (remote)*   *Nov 2020*
Developed a Python app to keep track of classical cd's, compositions, and musicians in a relational database. The app utilized Django and the MVT Framework for full CRUD functionality to a SQL database. Used Bootstrap 4 for the front end. Utilized an API of MusicBrainz.com and web scraping (Beautiful Soup) to retrieve information that the user can add to the database. Created a REST API to connect to the database.

Suzuki Academy of Columbia & USC, *Cello Instructor (Columbia, SC)*   *Jan 2016 – Present*
Teach private and group classes to cello students ages three and older using the philosophies and methods of Dr. Shinichi Suzuki. Started as a volunteer in 2016 and got hired in August 2017.

Noventum Service Management Consultants, *Financial Controller (remote)*   *Feb 2007 – Apr 2016*
Oversaw the project management software. Was responsible for setting up the bookkeeping and accounting procedures for Cyprus based HQ and its Dutch and British subsidiaries. Was in charge of accounts payable, accounts receivable, client invoicing, payroll and expenses. Prepared management reports, cashflow reports and budgets. Maintained the books and prepared the Annual Accounts and Tax Returns. Was responsible for the contracts with employees and external consultants.

Haags Juristen College (Cyprus) Ltd, *Managing Director (Cyprus)*   *Jun 2001 – Dec 2005*
Maintained and further developed Access Database interface, SQL, functions and tables.
The company specialized in company formation and management services. The Cyprus company was the corporate HQ, the Dutch sister company was the sales office. Led a team of 10-15 people in the Dutch back-office and the Cyprus office. Brought the company from an initial loss to a profit of around 100.000 EUR.

Muziek Centrum De Speeldoos, *Manager and Curriculum Developer (Netherlands)*   *Jul 1989 – Jun 2001*
Managed the chamber music department. Coached chamber music instructors. Developed and taught a curriculum for preparatory music class in music appreciation and musicianship skills for 4- and 5-year-old students. Taught cello and chamber music to students aged 5 and up, including adults.

Education

The Tech Academy, _Certification in Full-Stack Software Development_   _2020 – 2021_

Comprehensive overview of software development with courses in HTML5, CSS3, JavaScript/jQuery, relational database design and management, SQL/MS SQL Server, object-oriented programming, Python, C#, MVC, Source Control (Git & GitHub), and Agile product development methods (Scrum).

The Tech Academy, _Certification in Data Science_   _2021_

Courses in Data Visualization, Statistical Analysis, Data Analysis and Machine Learning, using Python, R and Power BI.

Free University Amsterdam (VU Amsterdam), _Law_   _1994 – 1999_

Bachelor of Arts in Law with an emphasis on IT & Law

Private Studies, _Cello performance & pedagogy_   _1992 – 1995_

Certificate Music Education A

Hanze University of Applied Sciences Groningen, _Cello performance & pedagogy_   _1990 – 1992_

Muziek Pedagogische Akademie, Leeuwarden, _Cello performance & pedagogy_   _1988 – 1990_