

Victor Jans

<http://victor-jans.de>

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EDUCATION

- **Frauenlob Gymnasium** Mainz, RLP
High school graduation *spring 2017*
- **Johannes Gutenberg University** Mainz, RLP
Bachelor of Science in Computer Science *fall. 2017 – spring 2022*

EXPERIENCE AND PROJECTS

- **Helmholz Institute** Mainz, RLP
Research scientist, CASPER experiment *spring 2020 - Fall 2021*
 - **Hardware automation:** Automated the hyperpolarization process of xenon gas, using Python. Implemented software, with which polarization levels of up to 60% were reached without human interference. This is comparable to specialized devices.
 - **Data collection and analysis:** Developed tools to measure and analyze data extracted from devices via serial communication, using Python and C++.
 - **Software conversion:** Converted countless pieces of software written in LabView to Python creating a codebase that is documented and extendable.
- **Webdesign** Mainz, RLP
Freelance web developer *spring 2017 - now*
 - **Commissions:** Developed multiple websites using CMS(Wordpress, Joomla, Typo3), as well as HTML/CSS/JS for a wide variety of customers, generating over 5000 unique users in a month for some.
 - **MoneyTree:** Created a Chrome Plugin for tracking Amazon prices. Helped users save over 10000\$ to this day.(Javascript)
 - **Zencoin:** Created a web tool, that analyzes sentiment related to financial assets by scraping social media, displaying the information on a web interface (Flask).
- **Private Projects**
Just for fun
 - **Neural Cellular Automaton - Sudoku Solver:** Devised a Neural Cellular Automaton model, that is able to solve Sudoku puzzles, proving its capabilities go beyond image generation. (Tensorflow)
 - **Generative art:** Created many pieces of generative art using L-Systems, flow fields, cellular automata and many more techniques. (OpenGL/C++)

SKILLS

- **Programming languages (proficient):** Python, C++
- **Programming languages (familiar):** C, Java, Javascript, HTML, CSS, R, VHDL, SQL, ORCA
- **Human languages:** English C2, German (native), Serbo-Croatian (native), French B2
- **Personal skills:** Precise and empathic communicator, high in openness and creativity, good at adapting to new environments

LINKS

- **Homepage:** <http://victor-jans.de>
- **MoneyTree:** <http://moneytree.victor-jans.de>
- **Zencoin:** <http://zencoin.victor-jans.de>
- **Generative art:** <http://gen-art.victor-jans.de>
- **NCA - Sudoku Solver:** <http://nca.victor-jans.de>