

ELFEGE LEYLAVERGNE FULL STACK DEVELOPER - Ph.D.



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References:

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Permanent Resident
French Citizen
U.S. Citizenship applicant

SKILLS

- OOP | JavaScript | Python | Groovy | HTML | CSS | Node.js | Express.js | Bcrypt | JWT | React.js | Flask | Bootstrap | PostgreSQL | RESTfull API | Unit & Integration Testing
- C/C++ | NoSQL | AWS | Linux | Terminal | VCS | Regex | PowerShell | VBScript | TCP/IP | SonicWall | Unifi

Languages: English (fluent/native), French (fluent/native), Spanish (intermediate), Portuguese (intermediate), Academic Use of German, Ancient Greek, and Latin.

EXPERIENCE

Latest Projects:

- [thytalk.com](#) - Full Stack Flask App – solo development.
- [Tiles for Hubitat](#) - JS-ES6 & RESTful API built for the Hubitat's community – solo development.
- [LearnerYou.com](#) - Full Stack React App – bug fixes & deployment.

Software Engineer @ LearnerYou, New York, NY, 2022

- AWS policies: IMA backups, S3, R53 and EC2 instances, Apache2 Env., and more.
- Preexisting React.js and React Native applications testing, debugging and deployment.
- Slashed administration costs 30% by redefining pricing and fees, while ensuring the continuation and enhancements of services
- Increased company's website Front-End attractivity and Back-End reliability.

Robotics Teacher @ Lycee Français of New York, NY, 2015 – 2022

- Introduced students to the exciting world of robotics and helped them gain hands-on experience with designing, building, and programming robots. As a first implementation, with a small budget and an emphasis on using Arduino, my teaching approach emphasized practical, project-based learning.

Technology Integrator @ Lycee Français of New York, NY, 2012 - 2016

- Played a crucial role in helping to create a technology-rich learning environment that allowed students to maximize the benefits of technology and better prepare themselves for the future.
- Helped with the integration of Blackbaud's API for the School Information System with our Enrollment Solutions.

Philosophy Professor @ French Public & Private Schools & @ Lycee Français of New York, NY, 2004 - 2022

- As a result of my unique teaching and strong relationships with families/clients, I was able to significantly improve exams results and set a new standard for teaching excellence.
- My innovative approach to education, combined with my commitment to student success helped to raise the profile of the Lycée Français of New York as a top-performing institution in Manhattan.
- Organized cultural events with the French Embassy's Cultural Affairs in New York and in partnership with the Brooklyn Public Library, inviting professors from all over the nation.
- Created an Editing Collective on subjects related to sciences and technologies: <https://www.polysophia.com> with the support of of Prof. Pierre-Andre Chiappori (pc2167@columbia.edu – T. 212.854.6369) & Prof. Christine Tuailleon (christine.tuailleon@ncc.edu – T. 718.275.8874)

Software Developer @ Open-Source Community, 2012 to date

- 10+ years of projects for IoT devices, robotics, and 3D printers in the Open-Source Community.
- Many users in the Open-Source Community are currently using some of my IoT apps and drivers.
 - **Google Keywords:** “elfege hubitat release” or “elfege Roomba reverse engineering”
 - **See also:** [Eternal Sunshine](#), [Hubitat Tiles](#), [Thermostat Manager](#)

Operation Manager & IT Administrator @ Teleperformance, Strasbourg, France, 1999 - 2002

- As a marketing operations manager, I was responsible for overseeing a team of 20+ employees and driving profitability for the company. I successfully generated a 10% profit increase through a combination of effective management and innovative strategies.
- One of my key achievements was a 20% increase in productivity, which was measured in contacts per hour. I was also able to bring new clients to the company, including Wer Liefert Was, through proactive prospecting and sales efforts. I recruited and trained new contractors, improving sales methods and maximizing results.
- In addition to sales and marketing efforts, I was also responsible for managing vendor and ISP contracts, successfully negotiating deals that reduced costs by 15%.
- Developed a new web interface for the branch, increasing its visibility by 200%, and led a migration to Windows Server and m-2-m SQL data management, resulting in a 50% increase in overall efficiency.
- Upgraded the outdated network to TCP/IP/Ethernet standards, resulting in a 500% data throughput increase, and updated B2B partner phone marketing policies, leading to an average enrollment increase of 15%.
- Streamlined daily database maintenance, exports, and results analysis processes by transitioning from simple scripting to an Automated Object-Oriented Programming approach. This upgrade significantly reduced processing time from an unreasonable duration to mere minutes.

EDUCATION

- **Springboard Software Engineering Career Track**, Certification 2023 10-months intensive course in Software Engineering methodologies and technologies.
Ph.D. – Univ. of Nantes, France -- Focuses on logic, epistemology, and dialectics | Summa Cum Laude.
- **Master's** degree at Université de Grenoble in partnership with the prestigious Ecole Normale Supérieure de Lyon, which is widely regarded as one of the top universities in France -- Focuses on logic, Epistemology, Classical Philosophy and History | Magna Cum Laude.

PASSIONS

My 2 little girls, Robotics, Coding, Home Improvements Projects, Philosophy. Building integrated systems composed of hundreds of devices, including many DIY controllers such as windows actuators, cat feeding robots, IR emitters, PIR sensors, and much more. Martial arts: Karate, Wing Chun.