ALEXANDRA WONYU

Software Engineer | Full-Stack, SharePoint, Power Platform

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EDUCATION

Efrei Paris	**Paris, France**	**September 2025**

Master's Degree in Software Engineering

Wartburg College	**Waverly, IA**	**May 2023**

Major: Computer Science, B.A. (*cumulative GPA*: 3.9/4.0)   **Minor:** Psychology
Honors: Outstanding Senior in Computer Science, Phi Eta Sigma, National Society of Leadership and Success

United World College	**Changshu, China**	**May 2018**

International Baccalaureate

Languages spoken: English, French (native), Japanese (JLPT N2), Korean (TOPIK II Level 5), Chinese (HSK 4), Spanish

PROFESSIONAL EXPERIENCE

SharePoint & Power Platform Developer-Analyst | VINCI Construction SI | Paris, France   **April 2025 – present**
- Designed and implemented custom Microsoft 365 solutions to streamline business processes, including a company-wide deployment approval system used by 100+ stakeholders
- Led end-to-end delivery in Agile sprints: gathered requirements, built SPFx web parts, automated workflows, and improved collaboration across teams using Azure DevOps and Power Platform tools
- **Technologies**: React, TypeScript, SPFx, Power Automate, Power Apps, Azure DevOps, PowerShell, Power Virtual Agents, Power BI

Software Engineering Intern | Hexaly | Paris, France   **November 2023 – April 2024**
- Improved the company's low-code SaaS application, fixing various bugs, and adding features such as undo/redo, an infinite and flexible grid for the dashboards, and a drawing widget
- Worked in 2-week Agile sprints with TotalEnergies to develop a custom web application for them, improving the user interface, fixing various bugs, and adding an interactive map
- **Technologies**: React, Angular, Bootstrap, Redux, TypeScript, Java, MapLibreGL, Redmine, SVN, Phabricator

React & WordPress Intern | Aboundant | Waverly, IA, USA   **January 2022 – April 2023**
- Implemented UI/UX designs of web forms in React, wrote PHP plug-ins to add server-side validation to forms, and wrote custom WordPress templates to render React forms in WordPress

TECHNOLOGY PROJECTS

Movie Quiz Web App | Machine Learning | Efrei Paris   **July 2024**
- Created and designed a React Router web application that uses generative AI and web scraping to create MCQ quizzes on any movie of the user's choice
- **Stack**: React Router, Flask, BeautifulSoup, OpenAI API, The Movie Database API, Wikipedia API, Git, Penpot

Cricket Match Statistics | Non-Relational Database Management | Efrei Paris   **July 2024**
- Developed a Streamlit web application that simulates live-streaming of cricket matches, cleans the large amount of data, stores it into a NoSQL database, and displays key statistics on an informative dashboard
- **Stack**: Python, Kafka, Spark, MongoDB, Streamlit, Pandas, Matplotlib, PyMongo

TECHNOLOGY SKILLS

Languages: Python, JavaScript, TypeScript, PHP, SQL, Java (*proficient*), C#, C++, Prolog, Scheme, Kotlin (*familiar*)
Frameworks/Tools: React Native, Expo, Next.js, Flask, Vue, .NET, tkinter, Kafka, Spark, Hadoop, RabbitMQ
DevOps: Docker, Kubernetes, Jenkins, GitHub Actions, Trello, Azure DevOps, Ansible, Terraform
Data science: Pandas, Matplotlib, Keras, scikit-learn, Jupyter, Streamlit
Testing: unittest, pytest, Jest, Mocha, Playwright, Robot Framework
Databases: MongoDB, MySQL, SQLite, Supabase, Neo4j
Design: Illustrator, InDesign, Photoshop, Lightroom, XD, Figma, Penpot