ALEXANDRA WONYU

Full-Stack Developer | Master's Degree Student

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EDUCATION

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

Software Engineering Master's Degree

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

Languages spoken: English, French *(native)*, Japanese, Korean *(fluent)*, Spanish, Mandarin *(intermediate)*

COMPUTER SCIENCE INTERNSHIP EXPERIENCE

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 used**: React, Angular, Bootstrap, Redux, TypeScript, Java, MapLibreGL, Highcharts, Redmine, SVN, Phabricator

React & WordPress Intern | Aboundant | Waverly, IA   **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
- Worked remotely in a team of four at a pace of 5-10 hours a week and contributed to the launch of the company's new volunteer management platform
- **Technologies used**: HTML, CSS, PHP, JavaScript, TypeScript, JSON, the WordPress REST API, JSX, React, GraphQL, SFTP, Postman, Webpack, Next, Faust, and WordPress plug-in development

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
- **Technologies used**: React, React Router, Flask, BeautifulSoup, OpenAI API (GPT-3.5 Turbo), 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
- **Technologies used**: Python, Kafka, Spark, MongoDB, Streamlit, Pandas, Matplotlib, PyMongo

TECHNOLOGY SKILLS

Languages: Python, JavaScript, TypeScript, PHP, SQL, Java *(proficient)*, C#, Prolog, Scheme, Kotlin *(familiar)*
Frameworks/Tools: Docker, Flask, Vue, .NET, Make, pyControl, tkinter, Kafka, Spark, Hadoop, Jenkins, RabbitMQ, Trello, Notion, Heroku
Data science: Pandas, Matplotlib, Keras, scikit-learn, Jupyter, Streamlit
Testing: unittest, Jest, Mocha, Robot Framework
Databases: MongoDB, MySQL, SQLite, Supabase, Neo4j
Design: Illustrator, InDesign, Photoshop, Lightroom, XD, Figma, Penpot