

# ALEXANDRA WONJU

## 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
<ul style="list-style-type: none"><li>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</li><li>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</li><li><b>Technologies used:</b> React, Angular, Bootstrap, Redux, TypeScript, Java, MapLibreGL, Highcharts, Redmine, SVN, Phabricator</li></ul>	
React & WordPress Intern   Abondant   Waverly, IA	January 2022 – April 2023
<ul style="list-style-type: none"><li>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</li><li>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</li><li><b>Technologies used:</b> HTML, CSS, PHP, JavaScript, TypeScript, JSON, the WordPress REST API, JSX, React, GraphQL, SFTP, Postman, Webpack, Next, Faust, and WordPress plug-in development</li></ul>	

### TECHNOLOGY PROJECTS

Movie Quiz Web App   Machine Learning   Efrei Paris	July 2024
<ul style="list-style-type: none"><li>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</li><li><b>Technologies used:</b> React, React Router, Flask, BeautifulSoup, OpenAI API (GPT-3.5 Turbo), The Movie Database API, Wikipedia API, Git, Penpot</li></ul>	
Cricket Match Statistics   Non-Relational Database Management   Efrei Paris	July 2024
<ul style="list-style-type: none"><li>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</li><li><b>Technologies used:</b> Python, Kafka, Spark, MongoDB, Streamlit, Pandas, Matplotlib, PyMongo</li></ul>	

### 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