

# ALEXANDRA WONJU

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**Personal Website:** awonyu9.github.io

## EDUCATION

<b>Efrei Paris</b>	<b>Paris, France</b>	<b>September 2025</b>
Software Engineering Master's Degree		
<b>Wartburg College</b>	<b>Waverly, IA</b>	<b>May 2023</b>
<b>Major:</b> Computer Science, B.A. ( <i>cumulative GPA: 3.9/4.0</i> )		<b>Minor:</b> Psychology
<b>Honors:</b> Outstanding Senior in Computer Science, Phi Eta Sigma, National Society of Leadership and Success		
<b>Languages spoken:</b> English, French ( <i>native</i> ), Japanese, Korean ( <i>fluent</i> ), Spanish, Mandarin ( <i>intermediate</i> )		

## COMPUTER SCIENCE INTERNSHIP EXPERIENCE

<b>React &amp; WordPress Intern   Abundant   Remote</b>	<b>January 2022 – April 2023</b>
<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

<b>Math &amp; Computer Science Resources Website   Self-Taught Project   Wartburg College</b>	<b>April 2023</b>
<ul style="list-style-type: none"><li>Created and designed a fully responsive React Router website that gathers tens of mixed media resources to help hundreds of students with nine select Wartburg College mathematics and computer science courses</li><li>Successfully deployed the app on GitHub Pages: awonyu9.github.io/math-lab-resources</li><li><b>Technologies used:</b> React.js for front-end, React Router for routing, responsive CSS techniques, Git for version control, Adobe XD for initial prototyping, JSON for organizing resources</li></ul>	
<b>Music Quiz Web App   Systems Design   Wartburg College</b>	<b>September – December 2022</b>
<ul style="list-style-type: none"><li>Created a fully responsive single-page web app in React: a music quiz game in which users can log into their Spotify account, choose any playlist, and quiz themselves on its songs unlimitedly</li><li>Successfully designed and implemented the app on my own for 10 hours a week over 13 weeks</li><li><b>Technologies used:</b> React.js for front-end, Express.js for OAuth in back-end, Spotify Web API for asynchronously fetching playlist and track data, Git for version control, Adobe XD for initial prototyping</li></ul>	
<b>R Studio &amp; Pandas   Data Wrangling &amp; Visualization   Wartburg College</b>	<b>April 2022</b>
<ul style="list-style-type: none"><li>Wrangled raw Capital BikeShare data in R Studio and used the leaflet package to create a choropleth, in order to analyze patterns in bicycle rental habits in Washington D.C.</li><li>Joined data frames, cleaned up data using regular expressions, and created plots using the ggplot and dplyr packages in R Studio to analyze information about nuclear reactors</li><li>Created data frames and plots in a Jupyter notebook, using pandas, Matplotlib, and NumPy, to analyze data about gene expression in cancer cell lines</li></ul>	

## TECHNOLOGY SKILLS

**Languages:** Python, JavaScript, PHP (*proficient*), TypeScript, Prolog, Scheme, SQL, Java, Kotlin (*familiar*)  
**Frameworks/Tools:** Supabase, Node, npm, Fetch API, axios, Keras, Make, Jest, unittest, pyControl, tkinter, Flask  
**Adobe Creative Suite:** Illustrator, InDesign, Photoshop, Lightroom, XD