

Joyce Hong

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TECHNICAL SKILLS

Languages: Python, JavaScript, Ruby, HTML, CSS | **Frameworks/Libraries:** Django, Flask, Rails, Jinja2, Node.js, AJAX, JSON, API, BCrypt, DOM, AWS EC2, Bootstrap | **Databases:** MySQL, SQLite, PostgreSQL | **Tools:** GitHub, Balsamiq, VS Code

TECHNICAL PROJECTS

Life Organizer | *Full Stack Web Developer* | [Github](#)
Personal organizer and planner using Python/Flask

- Employed front-end validation techniques using Flask framework and Jinja2 template, ensuring data integrity and security
- Implemented responsive design techniques using CSS and JavaScript, enhancing user interaction
- Utilized MySQL to develop the back-end, establishing one-to-many relationships
- Designed the wireframe using Balsamiq as a blueprint for the project, facilitating efficient planning and collaboration during the design and development stages

JKWellness | *Front-End Web Developer* | [Github](#)
Wellness information site using Python/Flask

- Leveraged Flask framework and Jinja2 template to implement core functionalities and streamline development process
- Executed responsive design using CSS to create an interactive and user-friendly interface
- Harnessed Bootstrap library for efficient front-end development, enabling quick implementation of visually appealing and responsive components

PROFESSIONAL EXPERIENCE

Technology and Instruction Specialist | *Flint Hill School* | Oakton, VA

2021-2023

- Observed, evaluated, and provided feedback for teachers based on their ability to integrate technology efficiently and coherently
- Assisted with new faculty orientation by presenting policies and procedures and training 10+ teachers in the use of technology equipment and educational software
- Collaborated with teachers to develop strategies for integrating technology into their curriculum with a focus on their needs, listening to their ideas, and developing solutions aligned with their goals
- Researched new technology software and shared findings with teachers to help them stay updated on advancements in educational technology

Chemistry Teacher | *Fairfax County Public Schools* | Falls Church, VA

2010-2021

- Instructed 120+ students each year, broke down technical concepts into simpler terms, and conveyed complex ideas to ensure understanding and comprehension
- Collaborated and provided leadership to a group of 6 teachers to plan upcoming units and assessments, analyze data, and resolve issues, aiming to foster a cohesive and effective teaching environment
- Ensured student success by analyzing situations, identifying roadblocks, and developing creative solutions, resulting in enhanced learning experiences and accelerated growth
- Reflected on teaching strategies, evaluated student success, and analyzed student data in order to improve on teaching practices

EDUCATION

Colorado Technical University - Coding Dojo | *Full-Stack Developer* [Certificate](#)

2022-2023

- Immersive Full-Stack Training Program in Python

George Mason University | *M.Ed in Instruction and Curriculum for Secondary Education* | Fairfax, VA

2011

Virginia Tech | *B.S. in Chemistry* | Blacksburg, VA

2008