Wilson Jean-Baptiste

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EDUCATION

Howard University| Bachelor of Science in Chemical Engineering
University of West Florida |Software Engineering Bootcamp

SKILLS

HTML |Matlab (C++) |CSS| Bootstrap | JavaScript |GitHub | Visual Studio Code | Agile |AutoCAD | Python

EXPERIENCE

Process Engineer Sep 2022 – Feb 2024
Plug Power | Latham, New York

- Utilized software to design and edit process instrumentation diagrams ensuring compliance with PIP and ANSI standards, focusing on accuracy and attention to detail.
- Led an initiative to standardize process and instrumentation diagrams across the company, improving operational consistency and reducing time spent on diagram revisions by enhancing organizational processes.
- Collaborated on the development of a new hydrogen fuel product, creating comprehensive documentation and control strategies, which facilitated a faster product development cycle and enhanced product safety through meticulous project management.

Research Assistant, Intern June 2021 – Aug 2021
NASA-Goddard | Greenbelt, Maryland

- Conducted comprehensive research and data analysis to develop a database of potential surface materials on the dwarf planet Ceres, identifying how various physical conditions affect surface dynamics.
- Utilized advanced mathematical modeling techniques to predict and visualize surface formation changes on Ceres, enhancing understanding of extraterrestrial geophysical processes.

Research Assistant Oct 2019 – May 2020
Howard University| Washington, DC

- Led a research initiative utilizing Atomic ReaxFF Simulations to model the interaction between amino acids and gold surfaces, enhancing the understanding of biochemical surface interactions and contributing to a peer-reviewed paper.

Research Assistant, Intern June 2019 – Aug 2019
NASA-JPL| Pasadena, California

- Engineered and conducted experiments using a climate chamber and potentiostat to analyze the thermodynamic behavior of water and amino acids, highlighting a meticulous approach to experimental design and safety.
- Developed and implemented rigorous laboratory safety protocols while managing sensitive materials, ensuring high standards of safety and compliance during experimental procedures.

PROJECTS

Personal Portfolio:

- Technologies used: HTML5, CSS3, Bootstrap, Javascript
- Description: Developed a personal portfolio website that allows users to learn about me as an individual, have access to my repository of projects, and contact me through my social media.

Grocery List:

- Technologies used: HTML5, CSS3, JavaScript
- Description: Developed a web-based Grocery List application that allows users to dynamically add, delete, and manage grocery items. Designed to enhance user experience by providing a simple and intuitive interface for efficient grocery shopping management.

Tip Calculator:

- Technologies used: JavaScript, HTML5, CSS3, Bootstrap
- Description: Developed a user-friendly Tip Calculator that allows users to quickly calculate appropriate tip amount based on total. Designed to improve dining experiences by simplifying financial transactions.

AWARDS & HONORS

- Magna Cum Laude
- *Member*, Omega Chi Epsilon Honor Society