Lindsay Powell

Software Engineer

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TECHNICAL SKILLS

Languages: *Python, JavaScript, Node.js, SQL, CSS, HTML*
Frameworks/Libraries: *Vue.js, React / Redux, Express, Langchain, Sequelize*
Tools: *Git, Bitbucket, GitHub, Jira, Webpack, AWS (API Gateway, DynamoDB, Lambda, CloudWatch)*

TECHNICAL PROJECTS

W.E.L.P. | Developer | https://welp-y6ke.onrender.com
April 2023
- A single page application designed to teach students about the solar system solely using CSS to display all planet graphics
- Utilized ReactJS, Redux Toolkit, Javascript, CSS, PostgreSQL, Sequelize, Express, Node.js, and Styled Components

Toad's Garden | **Developer** | https://toads-garden.onrender.com/
February 2023
- Created a three level platformer game in which a character must collect items and avoid enemies, including intro and outro scenes
- Utilized Phaser, Atlas Packer, Tiled, and Render for game development and deployment, focusing on smooth gameplay and intuitive user controls.

Everything Honey| **Developer** |https://github.com/Anteater-GraceShopper/graceshopper-project.git
January 2023
- Developed a dynamic e-commerce website promoting a variety of honey themed products
- Utilize javascript, React, Sequelize and a variety of technologies to develop a functional e-commerce sites that allows users to buy various products

EXPERIENCE

IT Engineer, AI Solutions Team | **University of Maryland** | College Park, MD
July 2023 - Current

- Spearheaded the development and ongoing enhancement of AI-powered chatbots utilizing Retrieval-Augmented Generation (RAG) for the UMD community, integrating Langchain, Azure, and AWS services.
- Designed and implemented an administrator console using REST APIs to streamline chatbot management and provide comprehensive data insights.
- Leveraged AWS assets, including API Gateway, DynamoDB, CloudWatch, and Lambda, to build scalable, resilient, and cost-effective solutions.
- Collaborated with cross-functional teams to ensure seamless integration of AI solutions into existing UMD infrastructure, resulting in improved user engagement and operational efficiency.

Manager/Bartender | **Crossbar** | Baltimore, MD
March 2017 - Present
- Managed staff of 10+ employees on days where sales exceed $20,000 in a fast-paced environment
- Managed three cash banks for the establishment ensuring that all transactions have been properly

completed throughout 15 hour blocks of time
- Resolved customer or staff concerns in a wide variety of issues, including de-escalating high stress situations

Environmental Scientist II | Arcadis, U.S. | Richmond, VA
March 2021 - September 2022
- Orchestrated field events involving a variety of subcontractors, involving permitting and training, including events budgeted around $100,000 with a staff of 8 for a 3 week duration
- Performed soil, vapor and groundwater sampling, drilling and site inspections on upwards of 25 different sites
- Evaluated sites, including the completion of reports and tables to communicate issues and achievements in order to evaluate site status and submit status change requests

Environmental Professional | **HEPACO, LLC** | Baltimore, MD
March 2020 - March 2021
- Profile and manifest a variety of waste streams to various Treatment, Storage, and Disposal facilities in a tri-state area
- Spearhead remediation efforts varying from oil spills to acid releases, including creating a plan of action during emergency response situations with limited information available in many cases

Legal Assistant | **Slocumb Law Firm** | Baltimore, MD
November 2017 - May 2018
- Organized and handled around 120 cases concurrently from client client referral to settlement, including all paperwork and statements necessary
- Requested and organized billing and records for clients from hospitals, physical therapy offices, and any other relevant medical organizations

EDUCATION

Grace Hopper Program at Fullstack Academy, Web Development Bootcamp
September 2022 - February 2023
Software Engineering Certificate
Full-time, Full Stack Javascript Web Development Immersive

Johns Hopkins University
December 2018
Master's Degree in Environmental Science and Policy

University of Maryland
May 2015
Bachelor of Science in Environmental Science and Policy with a Concentration in Wildlife Conservation and Management

VOLUNTEER EXPERIENCE

Herpetology Assistant, National Aquarium
- Assisted herpetologists with providing intricate diets for all species, while providing necessary daily care and check-ups including misting and enrichment

Alternative Break Trip Leader
- Led trips of 8-12 people to Boston and the Bahamas to support environmental health in those communities including planning the full itinerary with my co-trip lead