HOLLAND BLUMER

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https://hollandblumer.com

980-939-3107

EDUCATION

Master of Engineering in Computer and Electrical Engineering   **2021-2022**
Thayer School of Engineering at Dartmouth College, Hanover, NH

Bachelor of Science in Manufacturing and Design Engineering, minor in Data Science   **2017-2021**
McCormick School of Engineering at Northwestern University, Evanston, IL

VERIFIED CERTIFICATES

Become a Python Developer, LinkedIn Learning   **2019**

Certificate in Algorithmic Trading, University of Oxford Saïd Business School Online   **2019**

PROJECTS

Full-Stack Developer, Sustainability App, Remote   **Summer 2022 - Present**
- Developing serverless, social web application with React and AWS Amplify for brands to market their sustainability efforts. Coded 3 user profiles - Customer, Brand, and Admin in JavaScript, SCSS, HTML, Python.
- Plan, code, and debug all software while prioritizing organization, reusability, and efficiency.
- Utilize GitHub regularly to track changes and reference backups.

Grad Capstone Full-Stack Developer, ChargePoint (Industry Sponsor), Campbell, CA   **Dec 2021 - May 2022**
- Built web application that processes, analyzes, and renders manufacturing data stored in DynamoDB for ChargePoint employees to monitor remotely.
- Customized dashboard that features top metrics, top errors, recent errors, employee notes, searchable data table, and charger schema with raw images of production line.
- Secured application with Amazon Cognito and set up admin user.
- Visited ChargePoint headquarters to test and integrate app and presented to engineering department.

PROFESSIONAL EXPERIENCE

Product Intelligence Intern, Hyundai Motor Group, Greater Detroit Area, MI   **Summer 2021**
- Supported EV market research and analyzed EV usage data at multiple HMG sites.
- Managed and constructed engineering guide for the development of compact, midsize, and BEV pickups.
- Reported on vehicle planning requirements for N. America EV market, chip shortage impact, and vehicle imports.

Product Development Intern, Larq, Foster City, CA (Remote)   **Summer 2020**
- Collaborated with engineering and design teams to develop the first multi-stage purification water pitcher that combines filtration, ultraviolet (UV) disinfection, and novel analytical sensors.
- Analyzed sensor readings from product performance testing to troubleshoot outliers and ensure quality; collected, modeled, and reported data via Python and Excel.

RELEVANT SKILLS

React, Redux, HTML, Git, GitHub, CSS, SCSS, Bootstrap, JavaScript, jQuery, AWS, Amplify, S3, Python, Java, R, C, DynamoDB, Rest APIs, MongoDB, SQL

LEADERSHIP EXPERIENCE

Social Chair, Northwestern University Robotics Club, Evanston, IL   **2020-2021**

Alumni Chair, Delta Delta Delta Sorority, Evanston, IL   **2017-2018**