

ALEX HILLER

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SUMMARY

Web developer with 1 year of immersive online coding bootcamp. *Skills:*

- Web development fundamentals
- Programming fundamentals
- Back-end engineering
- Front-end engineering
- Artificial intelligence
- Ethical considerations with AI

SKILLS

Programming: React, Redux, Python, Flask, Sequelize, Javascript, HTML, CSS, SQL, Git, Ruby

CODING PORTFOLIO [GITHUB](#)

CARD GAME APP

- Created a react application with Python backend allowing users to log in and play War and other card games online. Integrated JavaScript, CSS, and React together to perform complex functions under the hood utilizing deceptively simple UI.
- Utilized local storage extensively to allow movement throughout the site while ensuring user selections and state persist.

HOMECOOKED GROUP PROJECT

- Developed app where users can order food from local cooks or become restaurateurs themselves, with React frontend and Python backend.
- Implemented a fully functional and dynamic Cart page that remained persistent throughout the site using the React Persist library.
- Designed the site's logo and drew up the wireframes later used to develop the website's layout and design choices.

SOUNDCLOUD CLONE

- Made simple clone of Soundcloud utilizing Express and React.
- Developed a music player to play hosted audio files and built familiarity with AWS and file hosting in general.

NODE BLACKJACK

- Built a full-fledged blackjack game made with JavaScript that runs entirely in the terminal. Utilized extensive class-based architecture to handle all elements of gameplay, from player instances to the cards themselves.
- Enabled local multiplayer gameplay through use of classes and terminal commands, as well as extensive ability to replay.

WORK EXPERIENCE

Field Engineer

Research Scientific Services, Nov. 2020 – Nov. 2021

- Performed maintenance and refurbishment on Mass Spectrometers.
- Configured computers to work with Mass Spectrometry software.

Lab Technician

21st Century Biochemicals, Feb. 2020 – Nov. 2020

- Utilized strong acid and toxic chemicals to cleave peptides that had completed synthesis.

EDUCATION

Web Development, App Academy, *Certificate*, 2022-2023

Bachelor of Science, Chemistry, *Framingham State University*, May- 2019