

Jack Kraus

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Work Experience

Harbor Currents App | Hoboken, NJ

Sep. 2023 - Present

Software Engineer Contractor (formerly Student Project Developer)

- Developing an app for the New Jersey Department of Transportation using React/React Native for displaying Hudson River current data using the Mapbox library in collaboration with a team.
- Managing data processing and transmission between the data source and MongoDB using Python, NumPy, and an Express server deployed with AWS.
- Providing ongoing support as a software consultant starting August 2024, maintaining high-quality deliverables and satisfaction from Harbor Pilot clients.

Aubuchon Hardware | Dover, NH

June 2022 - Jan. 2024

Retail Associate

- Optimized product presentation to drive sales and enhance customer experience.
- Provided assistance with store layout navigation and facilitated transactions.
- Assisted customers in selecting appropriate products based on their needs.

Projects

Leveler Review Site

- Developed a full-stack web app with NextJS for video game reviews with API integration.
- Implemented user authentication and data management with Supabase and PostgreSQL, utilizing SQL for data manipulation.
- Enhanced user experience through advanced browsing features, responsive design, and adaptive layouts.

Job Application Tracker

- Designed and implemented a web-based job application tracker with a team using GitHub.
- Developed dynamic front-end interfaces with HTML, CSS, Handlebars, and jQuery with Ajax.
- Integrated backend services with an Express server and MongoDB for data management.

Mini-Golf Game

- Developed a mini-golf game Single Page Application for both desktop and mobile devices using HTML, CSS, and JavaScript.
- Programmed game logic and a collision system utilizing Linear Algebra Concepts.
- Used jQuery to facilitate DOM interaction and smooth page transitions.

Education

Stevens Institute of Technology | Hoboken, NJ

Bachelor's in Computer Science

Awards: Edwin A Stevens Scholarship, Dean's List (all 8 semesters), Graduated High Honors

Coursework: Web Programming; Database Management Systems; Software Development Process; Agile methods for Software Development; Data Structures; Algorithms; Security, Privacy & Society

Skills

Programming Languages: Python, Java, C, C++, JavaScript, Typescript, OCaml, R

Web Development: HTML, CSS, React/React Native, MongoDB, PostgreSQL, Express, Tailwind, Sass

Collaboration: Github, Gitlab, Slack, Figma, Jira, Microsoft Suite, Google Suite, Photoshop