

Alexander Kozic

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EDUCATION

Bowdoin College Brunswick, ME

May 2024

Major: Computer Science, Russian; Current GPA: 3.96

Activities: Men's Ice Hockey, Bowdoin Music Collective, Bowdoin Chess Club

Awards: Cum laude, Sarah and James Bowdoin Scholar, Book Award Winner, NESCAC Champion, Team MVP

Relevant Coursework: Data Structures, Algorithms, Software Engineering, AI, Financial Machine Learning

WORK EXPERIENCE

ForeFlight Portland, ME

May 2023 – August 2023

Software Engineer Intern

- Upgraded ForeFlight's internal tooling from a dated desktop application to a modern web application using TypeScript and React, expediting internal teams' ability to find and scrub NOTAMs (Notices to Airmen), a mission-critical product
- Utilized agile development cycle through attending daily team stand-ups, receiving feedback on JIRA tickets, and completing a robust webpage adhering to user stories while catering to scalability
- Communicated with back-end lead to achieve a smooth user experience with efficient API response times

Tyrus Capital Zurich, Switzerland

July 2021 - August 2021

Marketing Intern

- Forecasted structured trade's fund profitability by building a cash flow model in Excel providing marketing insights
- Analyzed key asset performance drivers and how they work within the fund's €500 million structure
- Tailored the product to meet customers' needs through understanding structured product buyers' motivations

SKILLS

Technical Skills: React, TypeScript, JavaScript, SQL (Postgres), QGIS, Tailwind, Jest, Flask, REST API, AWS

Coding Languages: Java, Python, TypeScript, JavaScript, CSS, HTML

Languages: *Fluent:* English, French; *Proficient:* German, Russian

PROJECTS

NOTAM Web Viewer

- Acted as front-end lead utilizing TypeScript and React to construct a table with filtering, sorting, hiding, and pagination capabilities
- Ensured application functionality by testing front-end internal logic with Vitest and performing integration tests with Playwright
- Styled an elegant webpage with light/dark mode preference capabilities in CSS and SCSS

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- Created a Next.js personal website with TypeScript and React displaying my personal portfolio
- Navigated project life cycle from planning to deployment utilizing iterative model allowing further scaling of webpage
- Styled webpage with Tailwind CSS to adhere to various screen sizes and ensure optimal user experience

PartSelect AI Chat Agent

- Utilized OpenAI Assistants API and function calling to create a chat agent capable of supporting customer queries on PartSelect.com
- Backend written in Python and linked to React frontend with Flask
- Set up a web scraper to gather product information with Selenium and BeautifulSoup

LEADERSHIP, ACTIVITIES, AND INTERESTS

Social Justice Leadership Institute

January 2022 – April 2022

- Participated in 8 workshops surrounding social justice issues such as racism, religious pluralism, ableism, gender and sexuality, feminism, socioeconomic class, citizenship, and intersectionality

Bowdoin College Men's Ice Hockey Team

August 2020 – Present

- Maintains a steady student-athlete schedule with 30+ hours of training and competition per week
- Led 4 monthly Diversity Equity and Inclusion talks on topics such as Kingian Nonviolence, LGBTQ+, and systemic barriers

Interests: Guitarist and singer, Bowdoin chess champion 2021, die-hard New York Rangers fan, social justice work, Aspiring Pilot