

# Alexander Kozic

Brunswick ME • (507) 400-5029 • akozic@Bowdoin.edu

## EDUCATION

### Bowdoin College Brunswick, ME

May 2024

Major: Computer Science, Russian; Current GPA: 3.955

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

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

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

### Shattuck-St Mary's School Faribault, MN; GPA: 4.143

May 2019

## 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
- Researched the market and built a database of 1000 potential investors through Preqin database
- Tailored the product to meet customers needs through understanding structured product buyers' motivations

## SKILLS

**Technical Skills:** React, TeamDynamix, Git, GitHub, VS Code, Chrome DevTools, Vitest, Playwright, NumPy, scikit-learn

**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

### Sudoku Solver

- Created a brute force program capable of solving sudoku puzzles in Java
- Used a combination of backtracking and stacks to correct false attempted moves

## 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
- Attended the Racial Equity Institute's "Groundwater Training" to better understand the structural causes of racial inequality

### Bowdoin College Men's Ice Hockey Team

August 2020 - Present

Brunswick, ME *Goaltender*

- 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