Alex Prokhvatylo

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alexprokh.dev • **Looking for New Grad opportunities in Software Engineering.**

WORK EXPERIENCE

Computing Solutions Advisor at Best Buy
JUN 2022 - SEP 2022

Achieved top 25% store sales numbers while still in training.
Maintained and communicated computing and networking knowledge, building personalized connected solutions.

Teaching Assistant at Dalhousie University
SEP 2021 - MAY 2022

Delivered Robotics labs to 30+ students in person and online.
Communicated programming principles to students of limited experience, provided written feedback on coursework.
Repackaged the Java-based classroom software to fix compatibility issues with modern versions of macOS.

EDUCATION

Bachelor of Computer Science at Dalhousie University
SEP 2019 - MAY 2023

3.9 Overall GPA. Set to graduate in **May 2023**.

Key coursework: Algorithms and Data Structures, Software Engineering, Principles of Programming Languages, Systems Programming, Network Security, Advanced Web Services, Cloud Computing, Server Side Scripting, Designing User Interfaces, Data Mining, Calculus II.

Achievements: Sexton Scholar Award, Dean's List (most semesters), In-Course scholarship.

International Baccalaureate at British International School Istanbul
SEP 2014 - MAY 2019

PROJECTS AND OUTSIDE EXPERIENCE See website

Data Vizualization Web App for EQWorks
WIP

- Migrated the given **REST API** from **Express** to the **Next.js**, **tRPC** and **Prisma** stack, expanded its functionality with additional routes and wrote custom middleware for per-route rate limiting.
- Built a customizable dashboard UI with dynamic data updates and auto-save using **ReactJS** and **TypeScript**.
- Implemented interactive charts, tables and maps to visually represent the 3rd party data.

Barter Trading Android App
2022

- Worked to build a location-aware marketplace app using **Java**, **Firebase** and Google Maps API.
- Led 3 developer pairs, following Agile and Test Driven Development development practices.
- Developed user authentication, Push notifications and location APIs for teammates to use.
- Designed app mockups and screen prototypes to help direct the development process.

Job Portal Web App
2018

- Utilized **JavaScript**, **PHP** and **MySQL** to build a responsive web app for a job portal site.
- Implemented user authentication and two account types with unique functionality, job post creation and management, job posting search and filters, file uploading and validation, application submission and review, etc.

TECHNICAL SKILLS

Dev: Java, C, JavaScript, TypeScript, ReactJS, PHP, SQL, NoSQL, HTML/CSS.

Design: Sketch, Figma.

Other: Git, Jira, AWS (pursuing Solutions Architect certification), UNIX shell scripting.

SPOKEN LANGUAGES

English (Fluent), **Russian** (Fluent), **Ukrainian** (Intermediate), **French** (Basic), **Turkish** (Basic)