Alex Prokhvatylo

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WORK EXPERIENCE

Teaching Assistant at Dalhousie University

SEP 2021 - PRESENT

Delivered Experimental Robotics labs to 30+ students in person and online.
Troubleshot classroom software issues on Linux, Mac and Windows.
Taught programming principles to students without CS background.

TECHNICAL SKILLS

General: Java, C, JavaScript, Python.
Web: ReactJS, Next.js, TypeScript, PHP, SQL, REST, HTML / CSS.
DevOps: Git, CI (GitHub Actions), pursuing AWS SAA-C02 certification.
Design: Sketch, Figma, Adobe Photoshop & Illustrator.
Other: Linux server setup (CentOS, Ubuntu) and shell scripting.

PROJECTS   `See website`

Barter Trading Android App - Team Lead, Git manager

2022

- Utilized Firebase and Google Maps API to develop an online market, connecting local buyers and sellers.
- Led 3 developer pairs, following Agile development practices, employing CI/CD and Test Driven Development.
- Implemented authentication backend, location features, push notificatons.

Job Portal Web App - Solo full stack project

2018

- Built a responsive web app for a job portal site (JavaScript, PHP, MySQL)
- Implemented authentication, account types with permissions, search and filters, file uploading and validation, application submission and review, etc.

EDUCATION

Bachelor of Computer Science at Dalhousie University

SEP 2019 - PRESENT

- GPA: 3.9 / 4.3. Set to graduate in May 2023.

International Baccalaureate at BIS Istanbul

SEP 2014 - MAY 2019

- Graduated with the International Baccalaureate Diploma.
- Researched big.LITTLE CPU scheduling techniques, forecasting today's mass adoption of Energy Aware Scheduling in ARM-based Android devices.

VOLUNTEER WORK

Model United Nations conference - Executive Member

MAR 2019

One of 4 executive team members, roughly 300 attendees. Launched the website, mailing and registration infrastructure for the duration of the event, designed merchandise. Approximately $1100 CAD donated to local charities.

KEY COURSE CREDITS

Algorithms I
Network Security
Server Side Scripting
Software Engineering
Systems Programming
Principles of Programming Languages
Designing User Interfaces
Calculus II

ACHIEVEMENTS

FCS Dean's List
(2019 - Present)

FCS In-Course Scholarship
(2019 - Present)

Sexton Scholar Award
(2019)

Amateur Radio Operator Certificate issued by Industry Canada.

SOFT SKILLS

Eye for visual design.
Attention to detail.
Fast hands-on learner.

SPOKEN LANGUAGES

English   (Fluent)
Russian   (Fluent)
Ukrainian   (Intermidiate)
French   (Basic)
Turkish   (Basic)