

Will Smith

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EDUCATION

York University / International Bachelor of Science in Computer Science

Toronto, Sep 2019 – Aug 2023 (Exp.)

Relevant courses: Data structures, Computer Organization, Advanced OOP, Software Design, Intro to Database Systems

STEP Computer Academy / Professional Software Development Education

Kyiv, Sep 2016 – Jun 2018

Relevant courses: Cisco IT Essentials, CCNA1, C programming, OOP with C++, C#, WinForms, ADO.NET

EXPERIENCE

Autodesk / Software Developer (Part-Time)

Montreal – Remote, May 2022 – Present

- Developed a web-based highly customizable project management app **ShotGrid**, made and tailored for the clients in the VFX, animation, and film production and other entertainment industries
- Revamped the developer-facing **JS** infrastructure making it more stable, and achieving **~11x** speed for common build/test scripts
- Upgraded the codebase to run on **Node.js** v16, further improving build/test script runtime by **~200%**, and fixing **46%** of vulnerabilities

Autodesk / Intern, Full-Stack Developer

Montreal – Remote, Sep 2021 – Apr 2022

- Using **Karma** for unit tests and **Cypress** for integration testing, fixed complex UI bugs, resolving **20%** of the incoming tickets
- Worked in a team to develop an Earliest Testable Product and an MVP of a strategic feature on both front-end using **React** and **Storybook**, and back-end using **Ruby on Rails**

PROJECTS

Project Name (in development)

- Full-stack web application*, a copy of the well-known **Trello** task management service remade using the **MERN** technology stack
- Used multiple **Docker** containers to simplify the development and the CI/CD processes, deployed on **DigitalOcean**

Project Name – Hackathon name Hackathon, 1st place in the First-Time Teams Category

- Browser game*, where the player has to locate the treasure on a map, generated with the random walk algorithm
- Written using **Node.js** and **Express.js**, leveraging browser cookies to store **user authentication** data in **JWT tokens**

Project Name – Def Hacks Hackathon

- Web application, made to *simplify the Q&A process* in online education by allowing students to post questions about sections of the lecture material
- Implemented with **Node.js**, **Express.js**. Stores user data in **MongoDB** and **AWS S3**. Authenticates users with **Firebase**

Project Name

- 2D platformer Mario-like game*, the goal of which is to complete levels by jumping and defeating enemies
- Made in **C++**, using the **SDL2** and **OpenGL** libraries

Random Utilities

PDF to Anki deck converter – parses a PDF with words from my Japanese class and outputs a deck of flashcards for the Anki app. Written in **Python**.

Bank statement parser – converts a standard transaction list CSV file from my bank to a TSV file, that can be later imported into a finance management app. Written in **TypeScript**. Has a user interface made with **React.js**.

SKILLS

Languages: TypeScript, JavaScript, HTML/CSS, Python, Dart, C/C++, C#

Frameworks and tools: Node.js, Express.js, React.js, Docker, Ruby, React Native, MySQL, Git, AWS, Firebase, Bash

Other skills: Native in Ukrainian, Russian. Fluent in English. Proficient in Japanese (JLPT N3).