

Simon Kapicka | Curriculum Vitae

 simokapi.com

Education

Nový PORG <i>High School</i>	Prague 2017–Present
Nový PORG IB Program <i>IB Diploma Program</i>	Prague 2024–Present

Academics

SAT: 1550 (Reading & Writing: 760, Math: 790)

Work Experience

Second Foundation Tech a.s. (October 2024 - present): Junior Developer - creating a contract management system with Kotlin
frameworks: Hibernate, Micronaut, OpenAPI, Angular

Czech Academy of Sciences, Institute of Information Theory and Automation (January 2025 - December 2025): Internship - Machine Learning, map analysis and data extraction
libraries: PyTorch, NumPy

PizzaHut (September 2023 - January 2025): Job at PizzaHut - making and selling food, other necessary tasks

CinemaCity (August 2024 - October 2024): Usher, responsible for preparing auditoriums before/after movie

Projects

2023: Duck Racer - A duck simulator, with infinitely generated terrain and obstacles. Made in Unity

2024: PlantIdentifier - Phylogenetic tree creator app, made using pure HTML, CSS and JavaScript. Originally scripted in python and remade in JavaScript for ease of use, this app uses REST APIs of an external database to obtain up-to-date data on plants and animals. Working version can be found on <https://plants.simokapi.com>

2024: DropStorage - A cloud storage service, made using HTML, CSS and Javascript for the frontend and BunJS for backend RESTful fetch API. Makes use of cookies, sessionIDs and a PostgreSQL database running on the backend to authenticate the user. Can be found on <https://storage.simokapi.com>

2024: Bouncer - A Physics-based Meta Quest VR game built using the Unity Game Engine. Successful implementation of the Oculus development kit and a well-functioning game which is both simple and fun to play in your spare time. Game can be found at: https://www.oculus.com/deeplink/?action=view&path=/app/25998350426422873&ref=oculus_desktop

2024: Java 3D Renderer - Made using Java, this program takes an ASCII styled STL file, loads the

triangles and vertices, and calculates the 3D transformation relative to the camera, also computing the 3D to 2D projection and manages to replicate a 3D environment in 2D space

Other Positions / Volunteer work

2024-2025: Leader of school Physics club

2023-2024: PORGMUN member of IT department

2024-2025: PORGMUN head of IT department

2025-Present: Member of school's student council

2024-Present: Website developer for the International Student Film Festival <https://studentshorts.com> and co-organizer of my school's version

2023/2024: Volunteer at Forum 2000 annual global conference in Prague

Extracurriculars

2021-2022: Member of school Robotics club

2022-2023: Various MUN related activities

2023: Participated in CEE Hackhealth 2023 Hackathon (in-person participation at IKEM)

2025: Won 1st place at CEE Hackhealth 2025 Hackathon at IKEM, as well as the IKEM and caelestinus* prizes

2025: Member of the caelestinus* startup incubator batch of 2025

2025: Finalist in the Technological Literacy Olympiad at ČVUT

2025: Represented the Czech Republic in the UNICEF International hackathon for climate action

Courses

2022: CS50 AI - Machine Learning and Artificial Intelligence online self-paced course, with passing grade

2022: Santa Barbara City College - college level class for 3D modeling and design with Autodesk Maya software

Languages

English: Native

Passed the CPE Cambridge exams at C2 level with grade B

Czech: Native

Spanish: A2

Computer skills

Languages: Python, Java, C#, HTML, CSS, **Skills:** Machine Learning, APIs, web design, game development
JavaScript, Kotlin

Others: Unity Engine, NGINX, PostgreSQL **Frameworks:** Micronaut, Hibernate

Soft Skills

Communication: Experience working in teams and accomplishing tasks, sharing my opinions, listening to others, creating consensus, and developing next steps

Leadership: Capable of organizing and leading a team of people to finish a task

Teamwork: Able to take on a role and help out others working with me

Problem solving | Dedication: Will persist on a project or issue until a solution is found

Interests

Programming: I enjoy making projects and applications

Sports: I'm a rock climber, mostly enjoy bouldering