Artyom Gabtraupov

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EDUCATION

Bachelor's Degree of Computer Science (Co-op)

University of Waterloo, Waterloo, ON - Ongoing
University of Guelph, Guelph, ON **(GPA: 96.33)** - Aug 2024

SKILLS

Languages C++, Python, C#, TypeScript, Bash, R

Tools React, Git, Next.js, React Native, Unity, Tensorflow, Unreal Engine, Valgrind, GDB, CMake

APIs REST APIs, Firebase, OpenAI API, Selenium Webdriver, Google Cloud

PROJECTS

Aug 2024 Website for a Tailoring Brand | *React, Next.js* *https://gatalinie.com*
- Developed and launched a fully responsive e-commerce website that improved client outreach, generating $5,000 in revenue within three months for a starting business.
- Integrated client-requested custom functionalities using React and Next.js.

Jun 2024 Mitosis Cell ML Image Sorter | *Google Colab, Tensorflow* *https://artyomg.com*
- Solo-developed a deep learning program using CNN to classify images based on stages of mitosis.
- Achieved 85% accuracy in image classification tasks on medical datasets.
- Placed 2nd in the annual science fair competition among 100 other solo participants

Mar 2024 FitFeed Mobile App | *React Native, Firebase, Google Cloud* *https://github.com/Artyom-G/FitFeed*
- Led a team of four to build a native cross-platform social exercise app for iOS and Android.
- Implemented Firebase for real-time workout storage and Google Cloud for secure user authentication.

Nov 2023 EcoSim | *Unity, Blender* *https://artyomg.itch.io/ecosim*
- Managed a team to create a 3D ecosystem simulator in Unity using Object-Oriented Programming (C#).
- Utilized Perlin Noise algorithms to generate randomized terrains for ecosystem simulations.

EXTRACURRICULARS

Sep 2024 Firmware Design Team at UW Orbital (Satellite Design Team) *https://www.uworbital.com*
- Developing low-level firmware for a 3U CubeSat as part of the Canadian Satellite Design Challenge (CSDC), a national competition aimed at designing CubeSats for space deployment.
- Created an I2C driver to interface with the LM75BD temperature sensor, enabling real-time temperature monitoring and telemetry data collection on the CubeSat.

Apr 2023 Events Team Manager at SOCIS (Society of Computing) *https://socis.ca*
- Led the events team in organizing hackathons, workshops, and tech meetups, attracting over 100 attendees.
- Spearheaded the SOCIS website redesign using Next.js to increase event registration efficiency.
- Collaboratively worked on the club website with Next.js, tRCP and GitHub