Viktor Fukala

BSc Student of Computer Science @ ETH Zürich, Software Developer

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WORK EXPERIENCE

C++ Developer, Intern
Bohemia Interactive Simulations

06/2021 - 08/2021   *Prague, Czechia*

BISimulations' software trains military personnel by reproducing real situations in the virtual world

Achievements & Tasks

– analysed multiple rigid-body-simulation technologies, one of which was to replace an unsatisfactory component of the product

– started reimplementing the said component, quickly reaching a state with the customers' most critical complaints resolved

– needed to performance test, to find and fix bugs; worked primarily with C++, git, Visual Studio, PhysX, and more

Code Week
CA Technologies / Broadcom Inc.

11/2017 - 11/2018   *Prague, Czechia*

Description

– two one-week internships

– worked on the backend of two web-applications: one for the company's employees to allocate leisure activities, one for our school elections to be run online

– after the one week we (a team of ~10 people) had, the applications were ready to be connected to the company/school systems and deployed

– used mainly Python, SQL, git

LANGUAGES

English
Full Professional Proficiency

German
Full Professional Proficiency, C2 Certificate

Czech
Native Speaker

ACHIEVEMENTS

Google Code Jam 2021 Round 3 Participant

Bronze Medal @ International Olympiad in Informatics (06/2021)

Silver Medal @ International Distributed Physics Olympiad (12/2020)

Bronze Medal @ International Mathematical Olympiad (09/2020)

Bronze Medal @ International Physics Olympiad (07/2019)

Winning Team of the Quantum Information for Developers 2019 Hackathon
at ETH Zürich

EDUCATION

BSc in Computer Science
ETH Zürich

09/2021 - 06/2024   *Zürich, Switzerland*

Courses

– GPA of 6.0 in the first semester including 3 extra courses

Special Forms of Study
Faculty of Mathematics and Physics, Charles University

10/2017 - 02/2021   *Prague, Czechia*

Description

– this was non-degree program, so I could take any courses at my own will

– I completed a total of 19 courses in mathematics, physics, or CS with a GPA of 1.0

High School Diploma
Johannes Kepler Grammar School

09/2013 - 06/2021   *GPA 1.0, Prague, Czechia*

Activities

– founding member of the Mathematical Structures Seminar and its leading participant

Exchange Trimester
Winchester College

01/2018 - 03/2018   *Winchester, UK*

Courses

– Further Maths, Physics, Economics, Theology & Philosophy

– commended for my mathematical skills and a fast catch-up

SKILLS

C++   C   git   Make, CMake   linux

agile development   debugging   OOP

functional programming   Java   C#   Python

JavaScript   SQL and RDBMS   software design

efficient algorithm design   shell scripting

responsible time management   graph theory

linear algebra   code performance analysis

efficient teamwork