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András Schmelczer

INTRODUCTION

I am about to start the sixth semester of my Computer Engineering B.Sc. training. I enjoy solving problems and coming up with creative ideas. Currently I am most interested in computer graphics, however, my interests span a wide range of areas. Curiosity and a desire to learn are my greatest motivators.

PROFESSIONAL EXPERIENCE

April 2019 – October 2019

Full Stack Engineer
Avatao Innovative Learning Kft.

– I created various interactive tutorials and quizzes about safe coding in C#.

– I helped in developing a newer version of our training platform, I mainly worked with Python - Flask and Angular.

– On my own, I built a framework for innovatively assessing expertise in a given field and for effectively developing these kinds of assessments.

July 2018 – March 2019

Software developer
The Laboratory of Cryptography and System Security (CrySyS)

– I created a 3D server-client application with Unity (C#) running a simulation of a city with a focus on its traffic.

– I also made a simplified mathematical simulation of a nuclear facility. The computations were done with NumPy and a REST API was provided by Flask. An aesthetic frontend was also part of the project as well as an editor made with JavaFX to enable the customization of this facility.

Languages
– Hungarian
– English C1 certificate
– Basic Russian

Hobbies
– Photography
– Cycling
– Web development
– Microcontrollers

Other
– Driving license

View my projects at https://schmelczer.dev

STUDIES

2017 -

Budapest University of Technology and Economics

– Throughout my studies I had the opportunity to further deepen my knowledge through various projects. For my performance I have received an iMSc award every semester.

– I have been a member of Károly Simonyi College for Advanced Studies for one and a half year now where I am the mentor of web development.