Curriculum vitae

PERSONAL INFORMATION

András Schmelczer

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WORK EXPERIENCE

04/2019–10/2019

Full Stack Engineer
Avatao Innovative Learning LLC.

- 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.

07/2018–03/2019

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.

EDUCATION AND TRAINING

09/2017–Present

Computer Engineering
pursuing B.Sc.

Budapest University of Technology and Economics, Budapest (Hungary)

As I am finishing my fifth semester I still find my programme engaging and interesting.

- Since last semester I have been specialised to Software Engineering at the Department of Automation and Applied Informatics.
- 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.

PERSONAL SKILLS

Mother tongue(s)

Hungarian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C1	C1	C1	C1
European Consortium for the Certificate of Attainment in Modern Languages - English C1				

English appears in the left margin for the data row above.

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills	■ Through conducting numerous trainings on web development I further improved my communication and teaching skills.
	■ As a leader of multiple projects related both to my studies and to Károly Simonyi College for Advanced Studies I learned how to communicate more accurately and effectively to avoid misunderstandings.
Job-related skills	■ As you can see from my **portfolio** I have worked on various projects using a number of technologies.
	■ The more difficult a problem is, the more it engages me. I really like challenges.
	■ I also like planning and designing software architectures. In most of the projects I have worked on I had a defining role in creating the architecture.

I am interested in learning about new technologies. Currently I am most fluent in these languages (and their respective frameworks):

■ Python
■ C#
■ Javascript
■ C++

As expected, I am comfortable with

■ databases
■ git
■ Docker
■ Linux

I also have some, although limited, experience with various other technologies as well.

Driving licence	B