Alen Murtić

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WORK EXPERIENCE

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

Teaching assistant   Oct 2016 – Nov 2016

- Introduction to PHP/MySQL - 5 classes of HTML/PHP/MySQL basics

Team projects

- managed a team of 3 students in *Project* class
  - created a working website prototype of an Intelligent tutoring system using PHP, MySQL with about 100 available questions regarding discrete math

- contributed as a member in various classes, among others:
  - database developer for restaurant Android app in project of 7 students
  - team project for managing a university (faculties, courses, employees, etc.) requiring database design + Windows Forms + ASP.NET MVC front-ends

EDUCATION

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

Pursuing MSc in Computer Science   Sep 2016 – Jul 2018
(expected)

- **field of study:** data analysis

- **relevant courses:** *Machine Learning, Advanced Databases*

BSc in Computing   Sep 2013 – Jul 2016

- **thesis:** *Application logic and data layer development for an* **e-learning** *system*
  - written in C# using Entity Framework and mXparser, console front-end
  - database design and implementation with 50+ parametrized questions
  - representation of knowledge, intelligent tutoring, auto-generating exams

- **relevant courses:** *Databases, Object-oriented Programming, Design Patterns, Artificial Intelligence, Development of Software Applications*

TECHNICAL SKILLS

Intermediate	• **Java** – a lot of experience with regular console apps; some with swing, Android, JSP
	• **C#** – LINQ, Entity Framework, Windows Forms, basics of ASP.NET
	• **SQL** – interested in databases; experience in various uni. courses & projects
	• **R** – completed optional course which includes: R Markdown; packages: dplyr, tidyr, ggplot2, etc; elements of statistics and ML
	• **Python** – used in AI/ML university courses – NumPy, SciPy, matplotlib, pandas
	• **OOP and design patterns** – completed 2 related classes, regular use for lab. exercises
	• **Intelligent tutoring systems and e-learning** – BSc *Project* class and thesis
Basic	• **PHP, Android, MongoDB, PostgreSQL, GIT, C, TeX**

OTHER SKILLS AND INTERESTS

Languages	Croatian (native), English (fluent), German (intermediate)
Personality	calm, team player, precise
Hobbies	General Secretary for FC Bayern Fan Club Croatia (*KNBM Bayern Hrvatska*)
Interests	advanced sports statistics, history, gaming