Ivan Almer

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WORK EXPERIENCE

European Central Bank (ECB), Frankfurt am Main, Germany

Trainee in Market Operations Analysis Division — Dec 2021 – present

- conducting precise and complex analyses related to Targeted longer-term refinancing operations (TLTROs)
- developed a script for TLTRO applicable interest rate calculation
- maintaining and improving internal database
- automating tasks and speeding up existing workflows

Agency04, Zagreb, Croatia

Junior iOS Developer — Jul 2018 – Feb 2021

- ensured delivery of a major project while maintaining both code and application quality
- contributed to multiple iOS applications

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

Team leader — Sep 2018 – Jan 2019

- led and managed a team to be among 4 best projects in the *Software Design* class

EDUCATION

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

MSc in Computer Science — Sep 2019 – July 2022

- thesis: *Option Pricing and Hedging under Jump-diffusion model*
- relevant courses: *Financial Mathematics*, *Stochastic Processes*, *Machine Learning*

The Polytechnic University of Catalonia, Barcelona School of Informatics, Spain

MSc in Innovation and Research — Sep 2020 – Jan 2021

- relevant courses: *Statistical Models and Design of Experiments*, *Statistical Analysis of Networks and Systems*, *Optimization Techniques for Data Mining*

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

BSc in Computer Science — Sep 2016 – Jul 2019

- thesis: *Medical Image Classification With Convolutional Models*
- relevant courses: *Probability and Statistics*, *Statistical Data Analysis*

MAJOR ACHIEVEMENTS

Financial Mathematics course	best student of the academic year 2019/2020
Hashcode Qualification Round 2021	ranked 6/28 in Croatia
App Start Contest 2019	best design award for application Magistra

TECHNICAL SKILLS

Advanced	• **Python** – used in the ECB, university courses and various projects
	• **Pandas** – used in the ECB and various projects
	• **SQL** – used in the ECB and in university courses
	• **Swift** – used in Agency04 and for *Software Design* class project
Intermediate	• **Microsoft Excel** – used in the ECB and for private projects
	• **Microsoft Outlook, Word, Powerpoint** – used in the ECB
	• **GIT** – used in the ECB, Agency04 and in some university courses
	• **Java** – used in university courses and various projects
	• **LaTeX** – used in university and for private projects
	• **R** – used in university courses
Basic	• **Matlab** – used in university courses

OTHER SKILLS AND INTERESTS

Languages	Croatian (native), English (fluent), German (intermediate), Spanish (basic)
Interests	Running, Workouts, Travel, Mathematics