

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 complex analyses on market operations data with tight deadlines
- 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	<ul style="list-style-type: none">• 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 <i>Software Design</i> class project
Intermediate	<ul style="list-style-type: none">• 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 for private projects• R – used in university courses
Basic	<ul style="list-style-type: none">• Matlab – used in university courses

OTHER SKILLS AND INTERESTS

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