

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
- automatizing 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

Pursuing 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

Pursuing 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

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|-----------------------------------|---|
| 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

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|--------------|--|
| 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• 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

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