

# Ivan Almer

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github.com/almer101

## WORK EXPERIENCE

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### 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

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### 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

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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"><li>• <b>Python</b> – used in the ECB, university courses and various projects</li><li>• <b>Pandas</b> – used in the ECB and various projects</li><li>• <b>SQL</b> – used in the ECB and in university courses</li><li>• <b>Swift</b> – used in Agency04 and for <i>Software Design</i> class project</li></ul>
Intermediate	<ul style="list-style-type: none"><li>• <b>Microsoft Excel</b> – used in the ECB and for private projects</li><li>• <b>GIT</b> – used in the ECB, Agency04 and in some university courses</li><li>• <b>Java</b> – used in university courses and various projects</li><li>• <b>LaTeX</b> – used for private projects</li><li>• <b>R</b> – used in university courses</li></ul>
Basic	<ul style="list-style-type: none"><li>• <b>Matlab</b> – used in university courses</li></ul>

## OTHER SKILLS AND INTERESTS

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