

# Lucian Bicsi

Bd. Camil Ressu 25, Bloc N5, ap. 154, Bucharest  
+40 741 690 951  
[lucianbicsi@gmail.com](mailto:lucianbicsi@gmail.com)

## WORK EXPERIENCE

OCT 2019 APR 2020	<b>ROBOSELF TECHNOLOGY Romania · Full Stack Developer</b> <ul style="list-style-type: none"><li>worked a solution to <b>automate repetitive tasks</b> with <b>intelligent conversational agents</b> (React front-end, Python back-end, Google Firestore and Neo4J data stores, C# UiPath Workflows);</li><li>wrote a <b>natural language understanding</b> pipeline that combines machine learning, weighted context-free grammars, and information inside a graph knowledge base to understand the request of an user.</li></ul>
JUL 2019 OCT 2019	<b>JANE STREET London · Dev Intern</b> <ul style="list-style-type: none"><li>wrote a web-based tool to <b>visualize market data</b> from scratch using OCaml, integrating it with the proprietary systems through a client-server architecture.</li><li>engineered and developed a solution for one of their systems to handle post-Brexit scenarios.</li></ul>
JUL 2018 OCT 2018	<b>GOOGLE Mountain View · Software Engineering Intern</b> <ul style="list-style-type: none"><li>worked on an infrastructure project involving <b>C++ and Go</b> pipelines and <b>bash scripts</b> for distributed jobs;</li><li>wrote an IPython Notebook for <b>visualizing and analyzing data</b>;</li><li>extracted and analyzed <b>live metrics</b> from users using Google tools.</li></ul>
JUL 2017 OCT 2017	<b>BLOOMBERG LP London · Engineering Intern</b> <ul style="list-style-type: none"><li>worked in a <b>big data processing</b> project involving <b>Spark and Cassandra</b>, having to learn <b>Scala</b> from scratch;</li><li>optimized computations on <b>millions of data points</b> to a couple of seconds (including data loading);</li><li>held <b>presentations</b> about my project in front of team members around the world, showcasing the results.</li></ul>
JUL 2016 JUN 2017	<b>ATOOOM INDUSTRIES Romania · Software Developer Jr.</b> <ul style="list-style-type: none"><li>worked for a start-up developing mobile applications using <b>Xamarin.Forms</b> and <b>C#</b>;</li><li>developed <b>soft skills</b>: time management, project planning, and communication.</li></ul>
DEC 2015 JUN 2016	<b>BITDEFENDER Romania · Machine Learning Intern</b> <ul style="list-style-type: none"><li>wrote a scientific report comparing shallow <b>recurrent neural networks</b> to <b>bloom filters</b> on memory consumption and accuracy for exact spell checking.</li></ul>

## EDUCATION

2020-2023	<b>Ph.D. in MACHINE LEARNING · University of Bucharest, Romania</b>
2018-2020	<b>M.Sc. in ARTIFICIAL INTELLIGENCE · University of Bucharest, Romania</b> <ul style="list-style-type: none"><li>obtained the highest GPA (9.87/10) amongst the 2020 promotion;</li><li>wrote a master thesis on inferring programming techniques of algorithmic questions, from source code.</li></ul>
2015-2018	<b>B.Sc. in COMPUTER SCIENCE · University of Bucharest, Romania</b> <ul style="list-style-type: none"><li>achieved "Magna cum laude" award for having the highest GPA (9.94/10) amongst the 2018 promotion;</li><li>wrote a bachelor thesis on a trie-like data structure that outperformed the C++ STL alternative (available on GitHub).</li></ul>

## AWARDS & MENTIONS

2019	<b>ICPC South-Eastern Europe Regional Contest (SEERC) · First Place</b>
2018	<b>ICPC World Finals, Beijing, China</b> <ul style="list-style-type: none"><li>placed 14<sup>th</sup> out of the best 140 teams around the world;</li><li>solved 6 algorithmic problems of very high difficulty, requiring fast code writing and quick debugging.</li></ul>
2017	<b>ICPC South-Eastern Europe Regional Contest (SEERC) · First Place</b> <b>Google Hash Code Programming Contest</b> <ul style="list-style-type: none"><li>placed 12<sup>th</sup> of 50 teams at the Hash Code Finals in Paris, and 30<sup>th</sup> of 1054 teams in the Online Qualification Round;</li><li>had to solve a complicated engineering problem, using various algorithmic techniques, mainly heuristics.</li></ul>

## INTERESTS AND ACTIVITIES

One of my biggest interests is solving puzzles. I am passionate about competitive programming competitions on platforms like [Codeforces](#), [TopCoder](#), [Hackerrank](#), [Opencup](#), [Yandex](#). I also have a [GitHub](#) account, where I am sharing my work.