Angelos Assos

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EDUCATION

Massachusetts Institute of Technology (MIT) Cambridge, MA

Masters of Engineering (MEng) in Computer Science; GPA: 5.0/5.0 *Sept. 2023 - Dec. 2024*
Bachelor of Science in Computer Science and Engineering; GPA 4.7/5.0 *Sept. 2019 - June 2023*
Relevant Coursework: Software Construction, Web Development, Performance Engineering,
Object Oriented Programming, Algorithms, Hardware Security, Statistics, Machine Learning.

SKILLS

Programming Languages: Python, C/C++, Java, Go, JavaScript, TypeScript, SQL.
Technologies: React, NodeJS, Django, NumPy, Pandas, Scikit-learn, AWS.

EXPERIENCE

Research Intern Athens, Greece
Archimedes Institute *June - August 2022, 2023*

- Conducted advanced research in theoretical machine learning, algorithmic game theory, learning theory, and optimization, leading to publications in top theoretical machine learning journals.
- Led reading sessions and collaborated with fellow researchers, fostering knowledge exchange and driving collective research efforts.

Quantitative Research Intern New York, NY
Tower Research Capital LLC *January 2022*

- Collaborated with interns to develop high-frequency trading techniques and models for cryptocurrencies, focusing on signal generation and strategy formulation.
- Implemented and adapted these trading strategies in C++ using the firm's existing technology infrastructure.

Software Developer Intern Wilton, CT
ASML *June 2021 - August 2021*

- Developed a Python tool to parse chip design specifications and optimize the assignment of chip printing tasks to appropriate machines.
- Implemented advanced algorithms, significantly reducing decision time from 5-10 minutes to a few seconds.
- Designed comprehensive test suites to ensure the robustness and reliability of the tool.

TEACHING

Teaching Assistant Cambridge, MA
MIT Design And Analysis of Algorithms *February 2023 - May 2024*

- Developed engaging problem sets and recitations to facilitate student understanding of course material.
- Led recitations and provided individualized support to students during office hours, clarifying complex concepts and offering guidance on problem-solving techniques.

PUBLICATIONS

1. **Angelos Assos**, *Idan Attias, Yuval Dagan, Constantinos Daskalakis, and Maxwell K Fishelson.* "Online learning and solving infinite games with an erm oracle". In: *The Thirty Sixth Annual Conference on Learning Theory.* PMLR. 2023, pp. 274–324

2. **Angelos Assos**, *Yuval Dagan, Constantinos Daskalakis.* "Maximizing utility in multi-agent environments by anticipating the behavior of other learners". In submission: *Thirty-eighth Annual Conference on Neural Information Processing Systems (NeurIPS).*

AWARDS

Bronze medal at the 59th International Mathematical Olympiad *Cluj-Napoca, Romania, 2018*
Bronze medal at the 58th International Mathematical Olympiad *Rio de Janeiro, Brazil, 2017*
Bronze medal at the 24th Balkan Olympiad in Informatics *Chisinau, Moldova, 2017*