# ALPER ALIMOĞLU, PH.D.

Blockchain & Distributed Systems Researcher | Software Engineer

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## **SUMMARY**

**\begin{aligned} \begin{aligned} 2008-2012 \end{aligned} \]** 

Ph.D. in Computer Engineering with over 12 years of experience in software development, blockchain systems, and distributed computing, including 1 year of industry experience as a researcher and software engineer.

SKILLS		
Python     Solidity     Bash     Ethereum     Smart Contracts     Gl       Docker     Distributed Computing     Flask	NU/Linux Cloud Computing	g Blockchain
EXPERIENCE		
Python Developer @Huawei	Mar 2025-Aug 2025	Istanbul, Turkey
Part-time Lecturer @Boğaziçi University	Feb 2025-Jun 2025	Istanbul, Turkey
Taught Functional Programming and Verification to senior undergramming	aduate students.	
Middleware Administrator @Anadolu Hayat Emek	klilik Aug 2024-Nov 2024	Istanbul, Turkey
Cloud Engineer @ICRON A.Ş.	Mar 2024-Apr 2024	Istanbul, Turkey
Research Project Assistant @Research Foundation Smart Load Balancer: Applied Echo State Network ML models b-ext4 File System: Hybrid SSD/HDD design to optimize perfor	for workload prediction in dat	a centers.
Internships @Cisco, Ericsson, ITU Robotics Lab	2009-2010	Istanbul, Turkey
Cisco University Prize-winning research intern. RoboCup 3D Simul	ation Team (ITU AI & Robot	ics Lab).
EDUCATION		
Ph.D. Computer Engineering  Boğaziçi University  □ 2016-2024	3.64/4.0 oker for e-Science Advisor:	Prof. Can Ozturan
M.Sc. Computer Science  Binghamton University - SUNY  □ 2012-2015	dictorian, GPA 3.77/4.0  computing Advisor: Prof. Kar	ad Ghose
B.Sc. Information Systems Engineering (Dual Diploma P. Binghamton University - SUNY & Istanbul Technical Univ	<b>9</b> /	

▼ Summa Cum Laude, GPA 3.89/4.0 (SUNY), Overall 3.62/4.0

# **PUBLICATIONS**

#### Journal Articles

- Alimoglu, A., Özturan, C. "An Autonomous Blockchain-Based Workflow Execution Broker for e-Science", Cluster Computing, Springer (SCI-E Q1), May 2024. DOI:10.1007/s10586-024-04534-z
- Alimoglu, A., Özturan, C. "An Autonomous Blockchain-Based Computational Broker for e-Science", Concurrency and Computation: Practice and Experience, Wiley (SCI-E Q2), Mar 2024. DOI:10.1002/cpe.8087

## Conference Papers

- Alimoglu, A., Erdayandi, K., Mustafa, M. A., Cali, Ü. "EDGChain-E: A Decentralized Git-Based Framework for Versioning Encrypted Energy Data", arXiv preprint, Jun 2025 (accepted in press). arXiv:2507.01615
- Alimoglu, A., Özturan, C. "Design of a Smart Contract Based Autonomous Organization for Sustainable Software", IEEE 13th International Conference on e-Science, Oct 2017. IEEE Xplore Link
- Shahriar Asta, Tuna Sonmez, Onuralp Ulusoy, Alper Alimoglu, Mustafa Ersen, Ozdemir Sozmen, Sanem Sariel-Talay. "BeeStanbul Team Description Paper", RoboCup Symposium Workshop, Istanbul, Jul 2011. PDF Link

## Preprints & Under Review

• Alimoglu, A., Özturan, C. "Blockchain Based Autonomous Organization for Sustainable Software and Execution History", Submitted to \*Blockchain: Research and Applications\*, Dec 2024.

## HONORS & AWARDS



### Valedictorian

Graduate commencement speaker, Binghamton University, 2014, Speech: "Protect Our Dreams"



#### Summa Cum Laude

Top of Class, B.Sc. in Information Systems Engineering, 2012



## Cisco University Prize

Winner, 2010



#### Dean's List

Multiple honors at Binghamton University - SUNY & ITU



## Academic Achievement Award

Binghamton University - SUNY, GPA 3.98/4.0, 2012