

# Ainesh Chatterjee

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## Education

### University of Maryland

*Dual BS: Computer Science (ML) +  
Mathematics*

Dec 2025 | GPA: 3.38

University/CS Honors, Dean's List

## Publications

- [Ipelets for Convex Polygonal Geometry](#),  
published at SoCG, 2024
- [AgreeMate: Teaching LLMs to Haggle](#),  
published at arXiv, 2024

## Projects

### context-mcp (active) | Creator

- Agent context tools: 25-50% lower tokens  
vs standard WebFetch, single-call API vs  
Context7's multi-round trips

## Skills

- **Tech:** MCP, Kosong, DSPy/GEPA,  
LiteLLM, Claude SDK, PyTorch, Python,  
C++, Docker, AWS, PostgreSQL
- **Impact:** 2 Publications (SoCG'24, arXiv),  
Interim Clearance, Congressional App  
Winner, Eagle Scout

## Experience

### Tilli Software

*AI Engineering MTS*

*Applied Research:Project ISO*

Jul 2025 - Present | Hybrid

- **Built** autonomous agents for ANY site  
(Kosong/DSPy/MCP) **<\$0.01/task, 150k+  
users**
- **Created** site2mcp: structured extraction →  
MCP servers **3M user rollout planned**
- **Architected** multi-tenant MCP super-  
server + GEPA optimization ↓**50% latency,**  
↓**40% tokens**

### Johns Hopkins APL

*CS Intern - Interim Security Clearance*

May - Aug 2024 | Laurel, MD

- **Developed** GAlfO variant outperforming  
imitation learning baselines
- **Optimized** CI/Docker pipelines **50%  
faster builds, 40% less memory**