

# DANIEL OLSHANSKY

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## ABOUT ME

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Multidisciplinary software engineer with 12+ years of experience across mixed reality, autonomous vehicles, distributed systems, crypto protocols, and agentic payments, including 3+ years of formal engineering leadership. I build human-in-the-loop tools and infrastructure for engineers and researchers, with a focus on evaluation systems, distributed coordination, and reducing cognitive overhead in complex technical workflows. A generalist that thrives in zero-to-one environments, I develop domain expertise quickly by moving fluidly between low-level implementation details and high-level strategy.

## EXPERIENCE

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### CTO @ Grove

October 2025 - May 2026

- **Context:** Pivoted the company around emerging stablecoin infrastructure and agent-driven payments.
- **Built:** A zero-to-one wallet-first linktree enabling creators to monetize content through programmable micropayments.
- **Impact:** Onboarded hundreds of creators and processed thousands of micropayments across a dozen+ social networks.

### Head of Protocol @ Pocket Network (Grove Labs)

2021 - 2025

- **Context:** Led the R&D of a decentralized protocol through a CTO transition while coordinating alignment among hundreds of ecosystem stakeholders.
- **Built:** A permissionless API marketplace enabling decentralized data access at scale through a verifiable rate limiter.
- **Impact:** Scaled a \$100M+ protocol serving 1B+ daily requests across hundreds of services, providers, and exchanges.

### Geotechnical Founder @ GetSoils & BreakingGround

2021-2022, 2025-Present

- **GetSoils (2021-2022):** Built and scaled a zero-to-one marketplace for construction soil reuse serving hundreds of users across Ontario.
- **BreakingGround (2025-Present):** Fine-tuning VLMs for geotechnical soil analysis and driving pragmatic AI adoption within the geotechnical industry.

### Senior Software Engineer, Planner Eval @ Waymo (Alphabet)

2020 - 2022

- **Context:** Evaluated autonomous vehicle motion planning across real-world, simulated, golden, and adversarial environments at scale.
- **Built:** Reproducible evaluation tooling, labeling infrastructure, golden datasets, and 3D visualization systems for simulation and planner analysis.
- **Impact:** Led the org-wide test set initiative supporting mission-critical safety evals used by 50+ data scientists across 6+ teams and millions of dollars in simulation infrastructure.

### Lead Software Engineer, Augmented Reality Cloud @ Magic Leap

2016 - 2020

- **Context:** Founding member of the Magic Leap cloud team building device management infrastructure and the AR cloud.
- **Built:** OTA update systems and cloud infrastructure transforming raw sensor data into object recognition, sparse/dense mapping, and multiplayer localization capabilities.
- **Impact:** Supported thousands of ML1 devices, enabled critical internal research initiatives, contributed to demos raising hundreds of millions of dollars, and co-authored 15+ patents.

### Software Engineer @ Twitter

2014 - 2016

- **Context:** First engineering role out of college at a large-scale consumer platform, growing from implementation-focused engineer into full-stack systems builder.
- **Built:** Full-stack features across data pipelines, mobile, web, and backend systems on the VIT and Media teams.
- **Impact:** Shipped GIF search, custom timelines, and vetted account features used by tens of millions of daily users.

## EDUCATION

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### Internships

2011 - 2013

ModiFace 2011 (mobile computer vision), Twitter 2012 (iOS), Google 2013 (Android)

### University of Toronto

2010 - 2014

B.A.Sc in Engineering Science, Electrical & Computer Engineering • GPA: 3.84 • Dean's List • NΨ 1T4

Thesis: Accelerating PCA for fMRI analysis using GPUs and MapReduce

## ADDITIONAL RESOURCES *(all items below are hyperlinked)*

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**Writing:** Posts, Thoughts, Substack, Medium

**Consuming:** Books, Podcasts, Movies, TV

**Presenting:** Talks & Interviews

**Publishing:** Google Scholar

## TECHNICAL EXPERIENCE

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Python · Go · Java · Scala · C/C++ · Elixir · iOS · Android · PostgreSQL · Kubernetes · GCP · MQTT · PubSub · MapReduce · Distributed Systems · Consensus Algorithms · API Design · Agentic Payments · Data Labeling · Test Sets · Tinker · x402 · Stablecoin · Agentic Infra & Tools · Skills