



ADAM KUNESH

FULL STACK ENGINEER

EXPERIENCE

Software Engineer

Fennel Markets (Seed Stage FinTech Startup)
Nov. 2021 - Present

- ▶ Primary owner of backend & infrastructure
 - Designed RESTful and GraphQL APIs
 - Maintained Notion documentation
 - Defined and optimized database schema
- ▶ Leader of mission-critical projects, ex.:
 - Migrated REST endpoints to GraphQL
 - Architected ETL pipelines
 - Led NoSQL to RDBMS migration
- ▶ Employee #2: Scaled from \$0 to \$6M+ ARR
 - Profiled & optimized user-facing services
 - Identified and resolved bottlenecks in data pipelines
 - Mentored junior teammates & created dev tooling to increase velocity

Lecturer, Educator

Physics Dept., University of California at Davis
Sep. 2017 - Nov. 2021

- ▶ Organized courses of 300+ students
 - Handled logistics of course content, exam schedule, grading
 - Generated 8h+ of educational content
- ▶ Supervised dozens of Teaching Assistants
 - Aligned busy graduate students
 - Fostered environment of openness and constructive criticism

Graduate Researcher

Complexity Sciences Center at UC Davis
Sep. 2019 - Nov. 2021

- ▶ Simulated chaotic systems
 - Visualized complex datasets
 - Computed statistics on simulations
- ▶ Applied ML to predict chaotic behavior

STACK

<i>Languages</i>	Python	TypeScript	
	PostgreSQL	HTML/CSS	
	Bash	Flutter	
	MATLAB	JavaScript	
<i>Tools</i>	AWS CDK	FastAPI + Pydantic	
	Terraform	Strawberry GraphQL	
	GitHub Actions	Pandas + PyTorch	
	Node.js	Numpy + Matplotlib	
	<i>Cloud</i>	Lambda	S3
		DynamoDB	Aurora
CloudFormation		SQS	
CodeBuild		Redshift	
CodePipeline		MWAA	
	Datadog	SSM	

EDUCATION

UC Davis | 2017-2021



Master of Science, Physics
Ray and Constance Chandler Fellow
Fulbright Semifinalist

UNC Chapel Hill | 2013-2017



Bachelor of Science, Applied Math
Bachelor of Science, Physics
Half-Ride Merit Scholarship
Phi Beta Kappa
Music minor

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