

Daniel Bessonov

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Education

University of Pennsylvania

2019-2022/23, 3.93
M.S. CS, B.S. Finance (M&T)
Head TA (CIS556: Cryptography)

Saratoga High School

2015-2019, Very High Honors

Research

Autonomous search-and-rescue UAV (IEEE)

2017
[arxiv.org](#): Published at IROS. Created sequential algorithm for target-search based on POMDPs.

YOSO: You Only Speak Once / Secure MPC with Stateless Ephemeral Roles

2022
[preprint]: Implemented distributed key generation and Schnorr signatures in the YOSO model.

Awards

1st - AngelHacks (1/160)
1st - SV Hacks (1/60)
1st - Sense360 Hacks (1/30)
2nd - LA Hacks (2/300)
Capital One Grant (1/150)
1517 Ventures Grant (1/300)
USACO Platinum

Skills

Python | Go | Java | Node | C# | .NET
MySQL | Postgres | Mongo | Dynamo
Docker | CircleCI | ECS | Jenkins
Figma | Photoshop | InDesign | AI

Experience

Ramp ● Intern

June 2022 - August 2022
[ramp.com](#): Implemented international bill pay + a double-entry ledger + payments related features. Python, Flask, SQLAlchemy, Celery.

Anduril ● Intern

June 2021 - August 2021
[anduril.com](#): Developed microservices for counter-UAS drones + implemented features for distributed mesh-network. Golang, C, FoundationDB, nixOS.

Lumos ● Intern

September 2020 - April 2021
[lumosity.com](#): Implemented Python microservices + designed platform integrations to build the future of identity management. Python, Flask, SQLAlchemy, GraphQL, SQS, React.

Roblox ● Intern

June 2020 - August 2020
[roblox.com](#): Designed and implemented a fraud-detection service for in-game billings netting \$1B+. C#, .NET, SQL, Python.

The Rounds ● Founding Engineer

October 2019 - June 2020
[therounds.com](#): Built and architected full-stack v1.0 product and tools for venture-backed delivery startup. Swift, Node.js, GraphQL, SQL, JS, React.

Dorm Room Fund ● Partner

October 2019 - Present
[drfvc](#): Investing \$20,000 pre-seed SAFEs in student founders via a student-run venture fund backed by First Round Capital. Investments: [RotoMaire](#), [Trefo](#)

Weiss Fund ● Partner

August 2019 - Present
Investing \$1-5k grants and providing portfolio support to early-stage, Penn-based ventures. Investments: [Showcase](#), [Percepta](#), [Atlas](#), [Kidas](#)

Stanford University ● Intern

May 2018 - February 2019
[whatislife.stanford.edu](#): Analyzed and segmented microbiota at the Huang Lab with a CNN-based approach (DeepCell). Python, Keras, MATLAB.

Other — Dali Labs, Inc. ('14-'19) | [Genecloud](#) ('16) | [whiteCryption](#) ('17)

Full Stack ● | Machine Learning ● | Venture Capital ●