

ALEXANDER JANIAK

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EDUCATION

Duke University

Durham, NC

B.S in Computer Science & B.A in Philosophy

Class of 2025

- GPA: 3.96/4.00
- Notable Classes: Design & Analysis of Algorithms, Data Structures & Algorithms, Probability, Intro to Computer Systems, Vector Calculus, Matrices & Vector Spaces, Computer Network Architecture, Discrete Math for Computer Science

Governor Livingston High School

Berkeley Heights, NJ

Graduate

Class of 2020

- GPA: 4.86/4.50; ACT: 36/36
- Awards: MathWorks Math Modeling 2019 Honorable Mention, Varsity Track and Field Hurdler

PERSONAL PROJECTS

- [CLPM](#): A locally encrypted command-line password manager built with 256-bit AES encryption, Python, SQLite3, and Click.
- [Pet Breed Classifier](#): A convolutional neural network using a 34-layer ResNet architecture trained on the Oxford-IIIT Pet Database built with Python, TensorFlow, NumPy, and Pandas.

EXPERIENCE & LEADERSHIP

Stealth Startup

New York, NY

Founder & CEO

June 2023 – Current

- Validated critical UX problem against multiple relevant market participants and dApp users.
- Frame-worked minimum viable product to alleviate poor UX reduce friction & allow users to safely deploy capital in decentralized environments.

Spice Finance

New York, NY

Head of Web2 Infrastructure

May 2022 – August 2022

- Designed and built a DeFi product focused on liquidity scaling for digital assets that led to \$1.7mm of funding at a \$20mm valuation.
- Built a full-scale API with FastAPI for an industry-leading ML digital asset appraisal model.
- Designed and constructed an automated capital allocation strategy for asset-backed lending.
- Derived a variety of exotic option pricing models for asset-backed loans.

NJIT Provost Summer Research Program

Newark, NJ

Intern under Professor Shahriar Afkhami

June 2019 – August 2019

- Researched, simulated, and modeled the effects of several physical parameters on the dynamics of magnetic drug targeting.
- Found the range of injection locations and blood vessel radii for realistically implementing magnetic drug targeting against invasive tumors.
- Achieved 80% capture probability for the magnetic particles using Gaussian process, polynomial, and spline regression machine learning models.

ARCC: Pacific Northwest Gap Semester

Pacific Northwest, U.S.

Volunteer Team Member

February 2021 – May 2021

- Cleared forest understory in the conservation effort against invasive Kāhili ginger in Volcanoes National Park under the guidance of Ranger John Stallman.
- Volunteered at a local Washington ultra-sustainable permaculture farm and commune.

SKILLS, INTERESTS & CERTIFICATIONS

- *Skills*: Python, Java, C, Racket, Git, HTML, CSS, JS, FastAPI, Scikit-Learn, Polish
- *Interests*: Tea, Hiking, Crypto/DeFi, Weightlifting, Climbing, AI, Smash Bros