

# ALEXANDER JANIAK

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## EDUCATION

### **Duke University**

**Durham, NC**

*Bachelor of Science; Majoring in Computer Science and Philosophy*

*Class of 2025*

- GPA: 3.95/4.00
- Notable Classes: Data Structures & Algorithms, Intro to Computer Systems, Matrices & Vector Spaces, Computer Network Architecture, Discrete Math for Computer Science
- Extracurriculars: Builder at Innovation Studio, Wayne Manor Social Chair

### **Governor Livingston High School**

**Berkeley Heights, NJ**

*Graduate*

*Class of 2020*

- GPA: 4.86/4.50; ACT: 36/36
- Awards: Kelly Lausten Family Foundation Stem Scholar, MathWorks Math Modeling Challenge 2019 Honorable Mention, Varsity Track and Field Hurdler

## EXPERIENCE & LEADERSHIP

### **Spice Finance**

**New York, NY**

*Head of Web2 Infrastructure*

*May 2022 – August 2022*

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

### **ARCC: Pacific Northwest Gap Semester**

**Pacific Northwest, U.S.**

*Volunteer Team Member*

*February 2021 – May 2021*

- Shadowed wolf specialists in their effort to continue the Yellowstone Wolf Recovery Project.
- Cleared forest understory in the conservation effort against invasive Kāhili ginger in Volcanoes National Park under the guidance of John Stallman.
- Volunteered at a local Washington permaculture farm and commune while learning about the community and ultra-sustainable lifestyle.

### **Berkeley Heights Board of Education**

**Berkeley Heights, NJ**

*Student Liaison*

*September 2018 – June 2020*

- Attended bi-weekly Berkeley Heights Board of Education meetings and delivered a formal address regarding the state of clubs and athletics in the school district.
- Helped with critical decisions around teacher-union negotiations and school security.
- Structured first round interview criteria for the hiring of the BH District Superintendent.

### **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.

## SKILLS, INTERESTS & CERTIFICATIONS

- *Skills:* Python, Java, C, HTML, CSS, JS, Git, FastAPI, Scikit-Learn, Polish
- *Certifications:* Open Water Diver, Wilderness First Responder, CPR & AED
- *Interests:* Tea, Hiking, Crypto/DeFi, Weightlifting, Spirituality, AI, Gaming