

# Preston Hanzély

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## EDUCATION

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**Cornell University**, Ithaca, NY

**Anticipated May 2025**

*B.A. Computer Science, B.A. Mathematics, Minor in Business*

Cumulative GPA: 3.81 | Dean's List Fall 2021

**Relevant Coursework:** Discrete Mathematics, Financial Accounting, Multivariable Calculus, Linear Algebra, Object Oriented Programming and Design (Java), Business Management, Microeconomics, Macroeconomics, Statistics

**Skills:** Python, Java, Swift, HTML/CSS, ThinkScript, DCF Modeling, Microsoft Office Suite (Excel, Word, PowerPoint)

## RELEVANT EXPERIENCE

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**Cornell Quant Fund**, Cornell University

**January 2022 - Present**

*Software Engineer*

- Co-developed a technical analysis program utilizing momentum-based indicators such as a stochastic oscillator, SMA, MACD, and EMA which possessed a Sharpe Ratio of 1.41 when backtested on the NASDAQ Composite
- Participated in a weekly education seminar that taught complex ideas in options trading, blockchain, software development, technical analysis, machine learning algorithms, and financial modeling

**Cornell Financial Risk**, Cornell University

**October 2021 - Present**

*Risk Analyst*

- Performed discounted cash flow modeling as means of determining a company's buy sell hold rating
- Participated in a bi-weekly education seminar that taught the fundamentals of a firm's capital structure, capital investment analysis, profit forecasting, financial reporting, accounting, and market analysis
- Cooperated as part of a team of other risk analysts to provide a detailed valuation of an automotive stock

## LEADERSHIP EXPERIENCE

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**Distributive Education Clubs of America (DECA)**, Independence High School

**August 2020 - May 2021**

*Vice President of Development, December 2020 – May 2021*

- Managed club communication and deadlines in preparation for member's written and oral competitive events
- Successfully recruited new members through social networking on Instagram and GroupMe

**Mu Alpha Theta**, Independence High School

**September 2018 - May 2021**

*Vice President, Math Tutor*

- Tutored 2-3 students per week one-on-one in algebra I, algebra II, geometry, pre-calculus, and calculus
- Organized fundraisers and other math-related events to encourage curiosity in mathematics and related fields

**Varsity Cross Country Team**, Independence High School

**June 2017 - November 2020**

*Team Captain, June 2020 – November 2020*

- Designed and led pre-workout exercises and daily training for student-athletes
- Planned events to enhance team morale and comradery during the uncertainty of the COVID-19 pandemic; Received Coach's Award for my performance as Team Captain

## PROJECT EXPERIENCE

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**ThinkScript**, Independent Project

**October 2021 - Present**

- Programmed multiple ThinkScript indicators utilizing relative strength index (RSI) and moving average convergence-divergence (MACD) based code

**Raspberry Pi Mining Educator**, Duino Coin

**November 2021 – December 2021**

- Developed educational tools for Raspberry Pi miners of Duino Coin, an eco-friendly cryptocurrency

## ADDITIONAL INVOLVEMENTS & INTERESTS

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**Campus Involvements:** Kappa Sigma, Poker Association of Cornell, Cornell Chess Club, Cornell Running Club

**Interests:** Solving Blackjack, Poker, Chess, Cars, Geography, Premier League Soccer, Piano, Cross Country Running