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| Archie Deguzman | | | |  | | |  | | |
|  | | | **Objective** | | |
|  | | | Senior in Computer Science with hands-on experience in algorithmic trading and financial technology development, seeking a Software Engineering Internship. Proven ability to develop and refine data-driven algorithms, with a strong foundation in Python, Java, and API Integrations. | | |
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| Projects **Work Experience** | | | Algorithmic Trading Bot with Technical Analysis Python, Alpaca API   * Built an automated trading bot using real-time data from Alpaca API that buys when price is above the 200 Exponential Moving Average (EMA) and sells when below it. * Conducted extensive back testing to evaluate performance, adjusting risk parameters and optimize the strategy, though failed to become profitable. * Developed skills in API integration as well as strategy evaluation in financial markets   Algorithmic Trading Bot with Price Action and Market Structure Python, Alpaca API   * Constructed a complex trading bot based on market inefficiencies, key price levels, and market reversal with risk management protocols * Face challenges with accurate swing high and low identification during testing, leading to further iterations and refinements. * Demonstrated understanding of advanced trading concepts such as market structure and liquidity events, despite execution hurdles.   Team Member, Target Corporation   * Operated machinery such as the cart pushing machine, wave machine, and crown machine, ensuring operational efficiency in the store. * Assisted customers in the tech department, helping with troubleshooting and product recommendations, leveraging strong problem-solving and communication skills. * Handled multiple customer service roles, including cashier and guest services, adapting quickly to the guest’s needs while consistently providing excellent service. | | | | | | |
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| Education Sept 2024 - May 2026  Bachelor of Science in Computer Science  Towson University – Expected Graduation: [May 2026] | |  | Skills Python  Java  C++  Alpaca API  HTML  CSS | |  | Interests  * Data Science * Algorithmic Trading * Artificial Intelligence * Analytics | |  | Relevant Course Work  * Data Structures and Algorithms * Calculus 2 * Introduction to Programming 2 * Discrete Math |