**Aarij Rehman**

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**EDUCATION**

**Northwestern University Sep 2017 – Jun 2021**

*B.S. Industrial Engineering & M.S. Computer Science Evanston, IL*

* B.S. GPA – 3.65, M.S. GPA – 4.0
* B.S. in Industrial Engineering 2017-2020 & M.S. in Computer Science 2020-2021

**WORK EXPERIENCE**

**Marley Finance August 2021 – Current**

*Software Engineer New York, New York*

* Software Engineer for fintech startup Marley Finance – Provides point of sale financing for booking venues
* Building backend APIs using Flask interfacing with a MySQL database
* Enabled frontend session management through browser-based cookies
* Added OTP verification on login through Twilio Verify

**J.P. Morgan August 2021 – Current**

*Interest Rate Exotics Analyst New York, New York*

* Analyst on the J.P. Morgan Exotic Swaps Desk
* Created Python text scraping tool to automate reading hedge fund quotes

**J.P. Morgan July 2020 – August 2020**

*Interest Rate Options Intern New York, New York*

* Worked as a summer intern for the swap derivatives desk
* Analyzed realized volatility for swap quotes surrounding economic events over the last 10 years
* Predicted 30 Year Swap Spreads based on outcomes of a Treasury Refunding Announcement
* Built a model for the algo desk that analyzed hit ratios based on quotes’ distances from Bloomberg mid-prices

**Computer Science 214: Data Structures April 2020 – June 2020**

*Undergrad Teaching Assistant Evanston, IL*

* Worked with course staff to facilitate the teaching of data structures
* Held weekly office hours where students came in for help with coding assignments, homeworks, and theory
* Graded and provided feedback on assignments every week

**TD Ameritrade June 2019 – August 2019**

*Active Trader Internship Chicago, IL*

* Automated processes involving employees’ bonus structures saving managers over 20 hours per quarter
* Won 1st in firm-wide Ideation Challenge presenting directly to CEO and EVP
* Helped rework options education platform to better explain option fundamentals

**PROJECTS**

**Bluetooth-Enabled Wi-Fi Monitor (C Language) January 2021 – March 2021**

* Built a system of devices to monitor Wi-Fi networks and communicate information over BLE Advertisements
* Added Wi-Fi connectivity for Nordic Microcontrollers using ESP Wi-Fi modules
* Designed a central-peripheral communication scheme where Wi-Fi metrics are requested over Bluetooth by a central and measured on demand by 2 or more peripherals

**SKILLS & INTERESTS**

**Software/Skills:** Python, Go, JS, Rust, C, SQL, Bloomberg, LaTeX

**Interests:** Poker, Home Improvement, Chess