

# Enis Aras

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## EDUCATION

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### Rensselaer Polytechnic Institute

Troy, NY

*Bachelor of Science in Computer Science, Minor in Finance, GPA: 3.3*

*Fall 2020 – May 2022*

- Learned about topics related to algorithms like dynamic programming, divide and conquer, NP-completeness and graph theory and designed many algorithms aimed to solve real life problems.
- Learned about general concepts in software design, implementation using Object Oriented programming languages and the full JUnit testing stack. Other topics included specification, abstraction with classes, design principles and patterns, refactoring, the software development process, GUI and event-driven programming, and cloud-based programming.
- Learned about topics in finance through interactive paper trading using technical instruments like APIs, the R programming language and Python. Performed data analysis on historical stock data to predict performance for specific stocks and ETFs.

### Hudson Valley Community College

Troy, NY

*Associate's in Computer Science*

*May 2019 – May 2020*

- Learned about data structures like stacks, queues, lists, trees, and collections and their proper application using Java programming language.
- Learned about features of the C++ programming language including class design and data structures.
- Learned about topics including logic, relations, partial order, equivalence relations, lattices, Boolean algebra, graph theory, and predicate calculus. Gained a strong knowledge of proofs such as inductive, direct, contradiction, contraposition and exhaustion.

## EXPERIENCE

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### Developer at Quantify

November 2020 – Present

*Contract*

*Niskayuna, NY*

- Worked with clients to convert their existing trading strategies into algorithms that can be automatically traded using platforms like QuantConnect and Alpaca.
- Visualized many trading strategies and back tested them using the platform TradingView and their scripting language Pine Script.

## PROJECTS

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### The Archives(Under Development) | *Python, AWS API Gateway, React, SQL*

January 2021 – Present

- A Star Wars HTTP API containing all the data from the Star Wars franchise including movies, TV shows and video games.
- Aimed to be a fun and easy to use API for students and programmers new to using HTTP APIs.
- Complete documentation and many examples to help students and programmers get into the world of using APIs using data from the Star Wars franchise.

### Discord Betting Bot(Under Development) | *Node, Discord.js, React, MongoDB*

November 2020 – Present

- A virtual betting bot that uses real life sports betting odds to let users bet on their favorite teams.
- Features a complete MongoDB database that stores data ranging from each bet made to amount of coins each user currently has.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL , JavaScript, R

**Frameworks:** React, Node.js, Django, JUnit, JQuery, Vue

**Developer Tools:** Git, TravisCI, Amazon Web Services, Vim, Visual Studio, PyCharm Eclipse, QuantConnect,Ubuntu

**Libraries:** Pandas, NumPy, Matplotlib, Selenium

**Other:** Linear Algebra, Problem Solving, Multivariable Calculus, Stochastic Calculus, Data Analysis, Probability, Statistics