Antony Ponomarev
antonyp@bu.edu | 360-870-9451 | www.mywebsite.com

EDUCATION

Boston University Boston, Ma
computer Science and Mathematics GPA: 3.8/4.0 May 2025

WORK EXPERIENCE

Political Misinformation Research Boston, Ma
Software developer May, 2024 – Present
- Developed a simulation for users to artificially exist in a marketplace with purposeful misinformation and potential solutions
- Worked in a group setting on developing this marketplace using React
- Spent time generating hypothesis, testing hypothesis, and coming up with ideas to implement potential solutions to the political misinformation that runs rampant in the modern era.
- More information can be found here: https://truthmarket.com/

School Bus Tracking Application (Start up) Boston, Ma
Software developer January, 2024 – Present
- Co-developed a real-time school bus tracking app using Swift, providing parents with accurate location updates of their children's buses, enhancing safety and convenience.
- Integrated Maps API to allow tracking and route visualization, for parents to better accommodate for their kids.
- Actively working with local school districts in an attempt to test and in time, deploy

PROJECT WORK

Sports Arbitrage Calculator
- Developed a sports arbitrage calculator using Python, enabling users to identify arbitrage between multiple websites.
- Created a custom API to automatically gather and aggregate data from various websites, ensuring up-to-the-minute accuracy for calculations.
- Utilized web scraping and API integration techniques to fetch and standardize odds data from diverse sources, optimizing for speed and reliability.

Monte Carlo Options Pricing Model
- Developed a Monte Carlo options pricing calculator to simulate and estimate the fair value of financial options, leveraging stochastic modeling techniques.
- Generates random paths for the price of an underlying asset and calculates associate payoffs
- Developed in C++

Algorithm Trading Engine
- Developed a server-client architecture to facilitate peer-to-peer stock trading, enabling users to buy and sell shares directly with one another.
- Created a backend server to manage user accounts, process transactions, and maintain a secure record of all trades.
- Designed and built a simple yet effective user interface, allowing users to view stock prices, place orders, and track their trading history.

Simple Computer Language compiler and interpreter
- Designed and implemented a simple language compiler/interpreter using OCaml, translating custom code into executable instructions.
- Implemented core language features, including variable declarations, control flow statements, and arithmetic operations, providing a functional programming environment.

EXTRA SECTION

Varsity Swim Team Month, Year – Month, Year
- A part of the Boston University varsity men's swim team

SKILLS

Technical Skills JS, CSS, HTML, Python, java, C/C#/C++, git, bash, SQL