Vasilis A. Gadala

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Dates of Availability: January 2024 – August 2024
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EDUCATION

Northeastern University, Khoury College of Computer Sciences   **Boston, MA**
Cumulative GPA: 3.85/4.00 • Khoury College GPA: 3.9 /4.00 • Dean's List   **Aug 2021 – Present**
Candidate for Bachelor of Science, Computer Science, Systems Concentration, Robotics Minor   **May, 2025**
Relevant Coursework: Graduate Algorithms, Object Oriented Design, Discrete Mathematics,
Differential Equations and Linear Algebra, Database Design, Foundations of Data Science

SOFTWARE KNOWLEDGE:

• Java	• Python 3	• C++/C	• SQL	• TS/JS	• REST/Angular
• Git	• Linux	• HTML/CSS	• GraphQL	• BigQuery	• Kafka

RELEVANT EXPERIENCE

Wayfair Software Engineering Co-Op: **Boston, MA**
- Developed a service that collected data regarding the usage of APIs used for   **Jan 2023 – June 2023**
  order cancellations. Data is streamed from Kafka topics to BigQuery. Used by business
  teams to generate dashboards displaying usage and profitability to stakeholders
- Performed in an AGILE work environment with daily standup and biweekly sprints
- Operated on bugs and enhancements in supplier and order cancellations backend systems
- Gained experience in decoupled Java and Python applications

Teaching Assistant - Object Oriented Design: **Boston, MA**
- Instructed 19-person labs, taught challenging concepts   **Fall 2022**
- 15 hours per week: hosted office hours, graded homework and exams, labs
- Collaborated with faculty and peers, refined communication skills, time management

Aragon High School Robotics: **San Mateo, CA**
- Qualified for FTC World Championship. Led CAD Team   **June 2017 – June 2021**
- Developed leadership, collaborative, and teamwork skills

PROJECTS

AudioVisualizer: **San Mateo, CA**
- Developed JavaScript application that displays frequencies of audio files, mapping   **Sept 2022 – May 2023**
  them to a color spectrum. Developing audio reactive LEDs through Arduino control
- Processing mp3 audio to frequency visualizer using JavaScript p5's FFT library

Housing Price Modeling: **Boston, MA**
- Designed program that compared 3 Machine Learning Models to predict Housing   **Fall 2022**
  Prices in NYC within $250k
- Performed tuning of ML Models and analyzed advantages of such models

Banner2.0:   **Boston, MA**
- Designed a MySQL database storing data similar to a college advising portal   **Fall 2022**
- Developed an application with a REST API to display a use-case of the database

ImageProcessing: **Boston, MA**
- Designed application capable of applying image filters through linear transformations   **Summer 2022**
- Implemented 14 operations to edit images, 2 involving image kernels. Developed
  visualization using Java Swing. Utilized design patterns for abstraction.

Mazes: **Boston, MA**
- Built program that constructs and solves a maze, including visual representation of the   **Spring 2022**
  traversal and solution
- Implemented Kruskal's algorithm in Java to create maze with a minimum spanning tree.
  Maze can be completed in depth first or breadth first search

Interests And Hobbies

Full-stack Engineering, Machine Learning, Robotics, Computer Aided Design, Basketball, Biking