# Vasilis A. Gadala

Foster City, CA 94404
(650)-436-9039
vasilisgadala@gmail.com

Dates of Availability: January 2024 – August 2024
vasilisgadala.com    linkedin.com/in/vasilis-gadala    github.com/VasilisGadala

## 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, AI Concentration, Robotics Minor    **May, 2025**
Relevant Coursework: Graduate Algorithms, Graduate Systems, Object Oriented Design,
Differential Equations and Linear Algebra, Database Design, Foundations of Data Science

## SOFTWARE KNOWLEDGE:

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

## 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. Designed intake mechanism    **June 2017 – June 2021**
- Developed leadership, collaborative, and teamwork skills

## PROJECTS

*Mazes:*                                                                         **Boston, MA**
- Built a C++ program that provides visualizations for differing sorting algorithms,    **Fall 2023**
  using generics to support sorting of any elements implementing comparison operators
- Designed tests using Catch2 and Boost sorting operations to ensure that newly created
  sorting algorithms are accurate

*GraphicsEngine:*                                                                **San Mateo, CA**
- Designed application in C++ using OpenGL capable of loading .obj files, rendering    **Summer 2023**
  multiple objects / meshes, and performing transformations in real-time
- Developed code for 3D object rotations, translations, file loading, face coloring, and
  vertex / face implementations responsible for representing the object

*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

## Interests And Hobbies

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