
Dimitrios Haralampopoulos

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EDUCATION

Stevens Institute of Technology Hoboken, NJ | Expected Spring 2024

Bachelor of Science, Computer Science | GPA: 3.546/4.0

Aiming for Masters in Computer Science by Spring 2025 (Accelerated Masters Program)

PROJECTS (<https://github.com/dharalam/SelfProjects>)

Wisconsin Breast Cancer ML Classification | Python

- Implemented Mini-Batch and Stochastic Gradient Descents from scratch
- Implemented Probabilistic Generative Model from scratch
- Implemented Repeated K-Fold Cross Validation from scratch
- Binary Classifications (0 - Negative, 1 - Positive) are highly confident

Titanic Dataset Machine Learning Classification | Python

- Implemented a Decision Tree Classifier from scratch
- Applied Information Gain, Conditional Entropy, and Gini Index for selecting tree splits
- Implemented Adaboost algorithm with use of packages (scikitlearn)

Floyd's All Shortest Paths Algorithm | C++

- Implemented Floyd's All Shortest Paths algorithm from scratch
- Can be applied to generic networks of any size
- Applied comprehensive error checking and output formatting

Shell Within Shell | C

- Created a minishell in C that can run on the terminal and within itself
- Can execute most if not all commands a standard terminal shell can execute
- Handled child forking and process signals
- Applied comprehensive error checking and output formatting

SKILLS

Programming: Python, C, C++, Java, HTML, CSS, ARM Assembly, LaTeX, R, OCaml

Software: MS Office (Excel, Word, Powerpoint), RStudio, VMWare, VirtualBox, VSCode, Eclipse, Jupyter Notebook

OS: Windows, Linux (Ubuntu)

Speaking Languages: English, Greek, Mandarin Chinese

VOLUNTEER EXPERIENCE

Larchmont Library | Larchmont, NY | October 2016 - June 2021

Teen Advisory Board Teen Librarian Advisor

Supported Teen Librarian on what programs to hold for children and teens at the library through monthly meetings to assess the library's needs and garner engagement in community programs

Hosted fundraisers for the library, selling food and merch during street fairs and block parties

Obtained valuable leadership and team-working experience through monthly efforts involving planning and execution of community events for children and teens

JOB EXPERIENCE

Badger Day Camp | **Larchmont, NY** | **July 2021-August 2021**

Summer Camp Counselor

Supervised children ages 4-10 five days a week, guided activities and prepared food for kids

Collaborated with fellow counselors to create a safe and welcoming environment for campers

ACTIVITIES

Treasurer of SITTV (Stevens' Television and Audio-Visual Club)

- Managed club funds, created budgets with Excel for review by the Student Government Association
- Established consistent contact with Student Life for managing expenses and making purchases when necessary

Member of the Stevens Chapter of IEEE

Member of the Association for Computing Machinery (ACM)