Marin P. Marinov

New York, NY 10040 | 347-595-2552 | marin.marinov@macaulay.cuny.edu
www.linkedin.com/in/marin-p-marinov/ | mmarinov.netlify.com | github.com/marinov98

EDUCATION

Macaulay Honors College at Hunter College — New York, NY
Bachelors in Computer Science | Minor: Mathematics, Psychology | GPA: 3.87 — Expected: May 2021

Honors and Awards
William E. Macaulay Honors College Scholarship, full tuition merit scholarship — August 2017 – May 2021
Daedalus Honors Computer Science Scholar — January 2018 – May 2021

Relevant Coursework
Algorithms, Data Structures, Machine Learning, Computer Architecture, Multi-variable Calculus, Operating Systems

TECHNICAL SKILLS

Programming Languages: C++, Python, JavaScript, TypeScript, C#
Software Tools: Git, GNU Make, Cmake, Microsoft Office, AirTable, MonkeyLearn, Trello
Front-End Technologies: jQuery, Angular.js, React.js, Redux.js, Gatsby.js, Bootstrap
Back-End Technologies: Node.js, Express.js, Jest.js, Doctest, PostreSQL, MongoDB, GraphQL

EXPERIENCE

WeWork | WeWork Labs — New York, NY
Software Engineer — June 2019 – August 2019

- Designed an interface to show mentor data using **React** to refine the company's mentor sign up form and expedite mentor vetting process from half an hour to a minute.
- Constructed Models using **MonkeyLearn's Machine Learning API** and **Node** to parse long form entry texts into action items for prioritizing and department routing.

CUNY Hunter College | Research Foundation of CUNY — New York, NY
Research Assistant — May 2020 – Present

- Applied **Multi-Agent Systems AI** to lower average travel time for drivers through simulations using **Python**.
- Researched network topology representations to tackle the problem of traffic congestion under professor Anita Raja.
- Created **PowerPoints** to present papers on applying **evolutionary strategies** to traffic.

PROJECTS

JumblED, Group Project | University Prep Charter High School — July 2020 – Present

- Developed the backend of an educational app to help teachers conduct fair and easy distance-learning testing using **TypeScript, Node,** and **Express.**
- Structured the database using **MongoDB** and designed the API to generate tests and sign up students and teachers with **token-based authentication.**

A Multifaceted Approach to 2048 Game, Group Project | CUNY Hunter College — May 2020

- Experimented with **Evolutionary Strategy CMA-ES** to optimize **heuristic weights** to train AI to play 2048 using **Python** and **Expectimax algorithm**.
- Documented findings with **LaTeX** and showed how the AI was able learn to play up to the 8192 tile.

ClusterDuck, Group Project | Hunter Codefest — January 2020

- Social media app aimed at creating community by allowing users to post questions/advice about computer science and reply to each other as well as view each other's profiles. **Containerized** the app with **Docker.**
- Implemented the app's routes, profile pages, registration and login using **MongoDB, React, Node** and **Express.**

InstaPet, Group Project | NYC Tech Talent Pipeline — June 2019

- Built a full stack app that acted as a place for people to make an account, share pictures of pets, and follow one another.
- Managed the app's database, Redux store and routes using **React-Redux, PostreSQL** and **Express.**

SKILLS

Languages: English (fluent), Bulgarian (Native), Spanish (Elementary)
Interests: Nutrition, Weightlifting, Handball, Drawing, Ping Pong