Marin P. Marinov

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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
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

- Constructed models using **MonkeyLearn** and used their **Machine Learning API** to parse long form text entry fields into action items for prioritizing and department routing.
- Refined company's mentor sign-up form by analyzing their mentor database using **React, Node** and the **AirTable API**
- Created a server with **Node** and **Express** that would communicate with the mentor sign-up form and patch mentor's calculated scores, based on their experiences, to the database to expedite the mentor vetting process from half an hour to little over a minute.

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

- Researched different network topologies to tackle the problem of traffic congestion.
- Applied **Multi-Agent Systems AI** to lower average travel time for drivers through simulations using **Python**.

PROJECTS

JumblED, Group Project (Typescript, React.js, MongoDB, Express.js, JWT) — July 2020 – Present

- Educational application to help teachers conduct fair distance-learning testing.
- Created server and routes using **Typescript** and **Express** and implemented **token-based authentication.**

A Multifaceted Approach to 2048 Game, Group School Project (Python) — May 2020

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

ClusterDuck, Group Project (MongoDB, React.js, Node.js, Express.js, JWT , Docker) **| Hunter CodeFest** — January 2020

- Social media app aimed at creating community by allowing user's to make an account, posts questions/advice about computer science and reply to each other as well as view each other's profiles.
- Implemented the app's routes, registration, login , and authorization using **JWT , React, Node and Express.**

InstaPet, Group Project (React.js, Redux.js, Node.js, Express.js, PostreSQL, JWT) **| 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, Sequelize** and **Express.**

SKILLS

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