Max Mogul

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RELATED COURSEWORK

ST. LAWRENCE UNIVERSITY

Programming Languages:
- Developed algorithms and explored functional programming with Reason (OCaml dialect).
- Built an interpreter for an object-oriented language and studied lexing, parsing, type-checking, concurrency, and memory management.

Data Structures:
- Implemented and analyzed data structures including ArrayLists, LinkedLists, Stacks, Queues, Heaps, Hash Tables, and Binary Search Trees.
- Solved real-world problems and evaluated performance trade-offs.

Algorithm Analysis:
- Applied techniques like sorting, hashing, graph traversal, greedy heuristics, dynamic programming, and backtracking to solve algorithmic challenges.

Database Systems:
- Designed relational models and Entity-Relationship diagrams.
- Implemented security measures (encryption, hashing, SQL injection prevention) and deployed SQL/NoSQL databases on Google Cloud Platform (GCP) and Firebase.
- Built Python applications with PostgreSQL for CRUD operations.

PROJECTS

Automated News and Weather Alerts (Python, APIs, Automation):
- Integrated **NewsAPI**, **OpenWeatherAPI**, and **Gemini API** to generate automated daily summaries.
- Developed a macOS **shortcut** to run the script and display notifications.
- Showcased ability to work with APIs, automate workflows, and process real-time data.

Snake Game with Upgrades (Python, Pygame):
- Developed a dynamic snake game where the difficulty increases after each round.
- Used Pygame to handle graphics, collision detection, and game logic.
- Implemented a scoring system and custom game upgrades.

Remote File Storage with Old MacBook (Networking, Automation)
- Repurposed an old MacBook Air into a personal remote file storage server.
- Configured SSH and file transfer protocols to securely access files from anywhere.
- Demonstrated knowledge of networking, file systems, and remote computing.

PROFESSIONAL EXPERIENCE

SC SALGUEIROS — Porto, Portugal
Semi-Professional Soccer Player — *July 2025 - August 2026*
- Semi-professional soccer player for team a team in Porto, Portugal

DOWNTOWN UNITED SOCCER CLUB — New York, NY
Social Media Intern — *May 2023 - August, 2023*
- Supported social media content strategy for DUSC, growing Instagram and TikTok followers.
- Conceptualized, shot, and edited 4 videos per month for Reels and TikTok
- Designed videos for TikTok and Reels using CapCut, resulting in over 30,000 views

TRAIN WITH MOGUL — New York, NY
Personal Soccer Trainer — *May 2023 - July, 2023*
- Launched and grew "TrainWithMogul," securing private soccer training clients through organic outreach and social media marketing, achieving around 5,000 views per video on Instagram.
- Conducted personalized training sessions focused on individual skill development, fitness, and tactical awareness.
- Worked with players of varying skill levels to improve performance and confidence.

CARLOS OLIVEIRA SOCCER ACADEMY — New York, NY
Soccer Coach & Counselor — *June 2020 - August 2023*
- Assisted in organizing soccer clinics, camps, and tournaments, coordinating schedules and logistics
- Coached and mentored 20+ youth athletes, focusing on skill development, teamwork, and sportsmanship

ST. LAWRENCE MEN'S SOCCER — Canton, NY
Team Captain — *2024-2025*
- Four year starter. Team Captain during senior year.
- Helped win back to back Liberty League Championships, freshman and sophomore year.

EDUCATION

ST. LAWRENCE UNIVERSITY — Canton, NY
Major in Computer Science; Minor in Sports Science — 2021-2025

TECH STACK & PROGRAMMING LANGUAGES

- **Programming Languages:** Python, Java, JavaScript, OCaml, Reason, SQL
- **Tools & Frameworks:** Git, Shell Scripting, CI/CD, Flask, Docker