

Mimis Chlympatsos

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EDUCATION

University of Toronto

Toronto, Canada

BSc in Computer Science and Mathematics; **CGPA: 3.92/4.0**; 100000\$ Scholarship; *ASIP*

Sep. 2022 – May 2026

ACS Athens

Athens, Greece

International Baccalaureate; **IB-Score: 44/45**; **CGPA: 5.02/5.33**; **VALEDICTORIAN**

Sep. 2020 – May 2022

EXPERIENCE

Full-Stack Developer

Sep 2023 – present

Professor David Liu's Team SDS (Students Developing Software)

Toronto, Canada

- Designed requested UI components with **React** (communicating with the back-end **Ruby** code), improving user experience.
- Designed **JEST** tests for front-end JavaScript code, increasing coverage.
- Helped maintain the **Ruby** back-end, including regular refactoring of the codebase, increasing the extensibility of the application. I have also implemented new routes and features, testing them thoroughly with **RSPEC**.
- Used the **psql** command-line tool extensively to understand the organization of the app's **Postgres** database and to create database dumps for back-up purposes. The course **CSC343** in database theory has acted as a catalyst for my comprehension of the app's database structure and my seamless interaction with it.
- Used **git** extensively to collaborate with my teammates and contribute to the project, employing techniques such as interactive rebasing, relogging, stashing, writing hooks, and cherry picking.

NodeJS Developer

May 2023 – Aug 2023

Under Professor David Liu's Supervision

Toronto, Canada

- Developed a **Node**-based application (in a team with one more student) aimed at the seamless production of visual memory models for **Python** objects: <https://github.com/david-yz-liu/memory-models-rough/>
- Studied in depth the **DOM** model and **HTML5** documentation, allowing me to design requested visuals
- Utilized **npm** and **webpack** extensively to manage the project's dependencies and ensure seamless web integration, respectively.

PROJECTS

Checkers AI | Python, PyGame

March 2023 – April 2023

- Implemented the recursive Minimax Search Tree algorithm (in **Python**) to develop an intelligent Checkers program, making it virtually unbeatable against a player making random moves
- Designed a UI visualizing the choices and performance of the AI algorithm using **pygame**

Basketball Fantasy App | Java, Swing, Bash, API's

Sep 2023 – Nov 2023

- Built a **Java**-based web application enabling users to create and track custom basketball teams and compete in virtual matchups, by leveraging an **NBA API** for dynamic data integration and real-time updates.
- Developed and deployed **shell (bash)** scripts for daily automated updates of player data in the app's database, automating the synchronization process of the app's local database and ensuring up-to-date information.

Accounting Application | Java, SQL (MySQL), Swing

Nov 2020 – Jan 2021

- Developed a full-stack application using **Java** allowing restaurant owners to keep track of vital data
- Maintained effective communication with the client across the entirety of the system development process, receiving positive feedback
- Deployed the final product on the restaurant owner's computer using **Docker**

Wealth & Wellbeing - Research Paper | Python, pandas, matplotlib

May 2020 – July 2020

- Utilized **Python pandas** and statistical analysis to produce a research paper on the relationship between wealth and well-being. ([link-to-paper](#))
- Produced comprehensive graphs with **matplotlib**, enhancing the visualization and interpretation of statistical data.

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), JavaScript, HTML/CSS, R, Ruby

Frameworks: React, Node.js, Flask, Spring, Rails

Developer Tools: Git, Docker, PyCharm, IntelliJ, Webstorm, RubyMine, Eclipse