

Maxx Tandon

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EDUCATION

Northeastern University, Khoury College of Computer Science, *Honors Program*

GPA: **3.97** / 4.00

Sept 2021 – Present
Anticipated Graduation: Dec 2024
(3.5 years)

Bachelor of Science in **Computer Science and Mathematics**

- ❖ Distinctions: Dean's List (all semesters), Honors Scholarship
- ❖ Coursework: Object-Oriented Design, Algorithms and Data, Software Engineering, Database Design, Group Theory, Artificial Intelligence, Theory of Computation, Differential Equations and Linear Algebra, Graph Theory
- ❖ Activities: The Ortelian Society, University Chess Club A-Team, Chess.com Ambassador

TECHNICAL KNOWLEDGE

Languages: Python (web.py, Flask, logging, unittests), SQL, Bash, HTML, Jinja2, Java, JavaScript, TypeScript, CSS

Systems: Windows (WSL2), Debian, Ubuntu, and CentOS, WordPress and Shopify CMS

Tools: Docker, Git, REST APIs, cPanel, Azure OCR, RabbitMQ, Visual Studio Code, DataGrip, PyCharm

EXPERIENCE

Full Stack Developer, Casino Education Group (dba CasinoQuest/CEG) — Las Vegas, NV

August 2022 – Present

- ❖ Lead developer of software projects inside the casino/education industry, part-time during university and full-time summers
- ❖ Managed development resources on a dedicated server as well as handled firewalls, cron jobs, DBSM, and more for 5+ websites
- ❖ Delivered a custom student management system supporting over 1,000 students to digitize information and track student sessions

Tutor, GoPeer — Las Vegas, NV

July 2021 – August 2022

- ❖ Prepared course plans for over 20 students ranging from elementary school to college-level in various STEM fields
- ❖ Hosted over 100 lessons across Python, Statistics, Algebra, and Calculus with a 100% satisfaction rate

Web Support Lead - Internship, Nevada Help Desk, LLC — Las Vegas, NV

June 2019 – September 2019

- ❖ Directed tickets and projects for Web Support and Search Engine Optimization departments at Zappos HQ
- ❖ Coordinated communication among 5 departments across 3 major projects, delivering tailored product solutions to clients

PROJECTS

Game Theory Optimal Poker Trainer - maxxtandon.com/gto-trainer

August 2024

- ❖ Designed a web-based application to simulate pre-flop Poker, allowing users to train game-theory optimal play
- ❖ Implemented a React-based client-side application with browser local storage, reducing browser load time to under 1 second
- ❖ Deployed on Vercel with desktop and mobile support to be an open-source publically accessible trainer

Fischer Random Chess Engine - [GitHub Repository](#)

March 2024 - April 2024

- ❖ Trained supervised and unsupervised models using Minimax and alpha-beta pruning to play Fischer Random Chess
- ❖ Incorporated 120 Stockfish8 concept functions from JS into Python to develop unsupervised models using PyTorch
- ❖ Automated game playing and analyses to measure model performance and uncover new human concepts learned digitally

COVID-19 Vaccine Statistical Analysis - [GitHub Repository](#)

November 2022 – December 2022

- ❖ Prepared OWID data set to statistically measure the effects of vaccination status across countries and its implications
- ❖ Studied the importance of vaccination status and population density as predictors for mortality rate to determine optimal rates
- ❖ Applied sklearn regression models examining feature importances and vaccine significance with visual displays via matplotlib

EXTRACURRICULARS

President, The Ortelian Society — Boston, MA

May 2024 – Present

- ❖ Led the premier organization in study of Classical and heterodox thought for 30+ students to promote intellectual dialogues
- ❖ Coordinated logistics for 4 high-profile speaker events, promotional materials, alongside a semester-long theme of study
- ❖ Directed weekly discussions with a crafted a 12-week long curriculum including various political, economic, and social theories

AWARDS

- ❖ Senatorial Recognition – Recognized by Senator Jacky Rosen
- ❖ Nevada STEM Challenge Presenter – Recognized by Governor Brian Sandoval

INTERESTS

- ❖ Music (Guitar)
- ❖ Moral Philosophy & Psychology: Fyodor Dostoevsky, Carl Jung, Ken Kesey
- ❖ Chess