Neil Chawla

Mobile and Web application development enthusiast pursuing a Master's Degree in Computer Science

Greater Chicago Area

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EXPERIENCE

University of Illinois, Chicago IL — *Graduate Teaching Assistant*

AUGUST 2021 - NOW

- Teaching Assistant for Programming Language Design under Prof. Jon Solworth
- Performed all assistant teaching duties, including mentoring, grading and researching
- Supervised lab sessions each week

UIC Tech Center, Chicago IL — *Apple Service Technician*

SEPTEMBER 2019 - AUGUST 2021

- Prepared detailed documentation of technical issues and performed necessary repairs
- Executed sales responsibilities, inventory control, order processing, shipping, and receiving

Hewlett-Packard Summer Scholars, Chicago IL

June 2020 – July 2020

- Engaged in a 6-week program focused on developing business and professional skills
- Interacted with industry experts to better understand the workings of businesses across the ecosystem
- Discussed technology and innovation drivers in the current market to identify future trends

Adidas, New Delhi IND — *eCommerce Analytics Intern*

MAY 2019 - JULY 2019

- Researched on the local eCommerce markets and worked on finding end-to-end omnichannel solution providers to drive sales growth
- Analyzed market growth statistics and presented reports highlighting areas of improvement

EDUCATION

University of Illinois
Master of Science in Computer Science

AUGUST 2021 - MAY 2023 (EXPECTED)

GPA: 4.00/4.00

University of Illinois
Bachelor of Science in Computer Science

AUGUST 2017 - MAY 2021

Honors: Cum Laude (GPA: 3.58/4.00)

SKILLS

Python (Pandas, Numpy, sci-kit learn, Matplotlib) · Data Analysis & Visualisation · Data Cleaning · SQL · Machine Learning · JAVA · Android App Development · HTML/CSS · MS Office Suite

RELEVANT COURSEWORK

Data Structures · Big Data Visual Analytics · Database Management Systems · Algorithms · Secure Web Development · Computer Vision · Software Design · Calculus I-III · Linear Algebra · Probability

INTERESTS

Data Analytics · Machine Learning · Gaming · Soccer

PROJECTS

FootWiz: Soccer Dashboard — *JavaScript*
A full-stack web application that sources data from a RESTFul API to present an interactive soccer dashboard. Implements web security features and authentication using passport.js

Chicago Shadow Map Plot — *Angular*
Web application visualizing the spatial distribution of accumulated shadows per season of the year in Chicago on a map

Airbnb Exploratory Data Analysis — *Python*
Data Analysis on an Airbnb listing dataset analyzing the relationship between neighborhoods and average prices of rentals

COVID-19 Tracker — *C#, SQL*
Web application implemented using .NET and SQL that represents coronavirus data in the form of charts and graphs to help gain insights on the virus progression trends

Comic Book Text Translator — *Python, OpenCV*
Detects text from comic book images provided as input using OCR text detection and converts it to a language of the user's choice

Car Dealership — *Java*
Android application that provides a gallery of car images, along with car manufacturer and nearby dealership information

CERTIFICATIONS

Apple Certified Macintosh Technician, Chicago IL
JULY 2020
- Completed coursework required to perform technical repairs on Apple devices
- Technician ID: 020CA76EB3

JP Morgan Chase Software Engineering Virtual Experience Program, Chicago IL
JUNE 2020 - JULY 2020
- Completed the open access Software Engineering Program
- Worked on the stock price data feed interface using JP Morgan Chase frameworks and tools to display data visually