

Mark Ulicnik

Houston, TX | (832) 283-4119 | markulicnik@gmail.com | [GitHub](#) | [LinkedIn](#) | markulicnik.com

SOFTWARE ENGINEER AND IT SPECIALIST

SUMMARY

Computer Science graduate with a passion for putting technology to work. With emerging technologies growing rapidly, it is important to think critically about applications, security, and scalability of our systems with expanding context and capabilities. Passionate about growing clientele and utilizing expertise to meet their needs in any environment, whether through software, pool service, help desk support, or sales.

TECHNICAL SKILLS

Programming: Python, C++, Javascript, SQL
Database: Postgres, MySQL, MongoDB
Certifications: The Complete 2024 Web Development Bootcamp (Udemy) by TheAppBrewery
Software: Microsoft (MS) Office Suite (Word, PowerPoint, Excel), Atlassian Confluence, Jira, Visual Studio Code, NetBeans

PROJECT EXPERIENCE

Personal Project, Houston, TX

JULY 2024 – CURRENT

Solo Developer | Digital Art Sharing Platform | React.js, PostgreSQL, Express.js, Node.js, HTML/CSS

- Designing platform for digital artists to share and exchange artwork online
- Planned feature to implement “bounty board” where artists can submit art for competitions for cash prizes
- Expected to be able to support ~50 users, and scale using Netlify hosting platform

College of Sciences & Technology Dept. — UHD, Houston, TX

JANUARY 2024 – MAY 2024

Sole Researcher | Logical AI Agents for Supply Chain Resilience | Automated Multiagent Planning

- Researched formalization and modeling technique for logical agents to improve supply chain
- Implemented logic programs to create system capable of answering user queries about resilience
- Developed knowledge of knowledge representation and logical reasoning for logical AI agents
- Presented research at 2024 Capitol of Texas Undergraduate Research Conference at UT Austin and 2024 UHD SRC hosted by the Scholar's Academy

College of Sciences & Technology Dept. — UHD, Houston, TX

MAY 2023 – AUGUST 2023

Student Project | Parkinson's Disease Detection using ML Classification Models | Python

- Trained 3 machine learning models to classify patients using features based on audio data
- Models were able to classify patients with a 93% accuracy measure
- Evaluated model based on accuracy, recall, F-1 score, and MCC to determine ability

RELEVANT EXPERIENCE

PC Technician II | Lonestar College, Tomball OTS — Tomball, TX

APRIL 2023 – CURRENT

- Supplied support for all Windows and Apple computers campuswide, phones, printers, and scanners
- Researched and delivered solutions to user requests amongst regular duties each day
- Followed talks from LSC System leadership, discussing developments in industry standards and updates in best practices for IT service

Research Assistant | CSET Dept. UHD, Houston, TX

NOVEMBER 2023 – MAY 2024

- Studied how to acquire and process data to train machine learning models for classification
- Utilized anomaly detection and machine learning algorithms to classify RNA data for chromatin loop bindings
- Reported research findings in weekly meetings to communicate changes to performance metrics

EDUCATION

B.S.: Computer Science | University of Houston-Downtown (UHD), Houston, TX MAY 2024

GPA: 3.8

Awards: Dean's List (3 out of 3 semesters)

Memberships: UHD Association of Computing Machinery (ACM), Computing Alliance of Hispanic Serving Institutions (CAHSI)

Relevant Courses: Data Structures and Algorithms, Software Engineering, Natural Language Processing, Database Management Systems, Statistical & Machine Learning, Web Programming, Artificial Intelligence

A.S.: Computer Science | Lonestar College System, Cypress, TX

DECEMBER 2022

(References Available upon Request)