ROSS REZVANI

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Education

University of Houston **May 2025**
Bachelor of Science in Computer Science, GPA 3.6/4.0 *Houston, TX*
Minor in Mathematics

Experience

Paycom **May 2024 – August 2024**
Software Developer Intern *Dallas, TX*
- Built a candidate outreach platform, allowing recruiting teams to engage with previous applicants on future opportunities.
- Enabled the scouting of top candidates using a comprehensive filtering system, allowing recruiters to enhance their search with over 50 parameters.
- Earned first place in a company-wide hackathon, developing and presenting a robust backend infrastructure using C# and the .NET framework on a project placement application.

Jolt Industries **July 2021 – February 2023**
Software Engineer *Remote*
- Built web automation software to bypass security measures (Datadome, Shape, Akamai) on e-commerce websites.
- Refractored codebase from NodeJS to Go, enhancing code reliability and increasing product efficiency by 40%
- Patched backend vulnerabilities, securing user data and significantly reducing downtime and user-reported errors.
- Created a full-stack MERN app for handling ticket submissions, improving issue resolution times by 30%

Altitude Trampoline Park **August 2019 – April 2020**
IT Consultant *Katy, TX*
- Optimized IT support for high-traffic events, ensuring seamless operations and reducing customer interaction time.
- Conducted a comprehensive security audit of the location's server infrastructure, identifying multiple vulnerabilities.
- Implemented security patches and system upgrades to address identified weaknesses, enhancing system reliability and data integrity.

Projects

GameTime AdBlocker | *Python, Javascript, PyTorch* **February 2024**
- Developed a streaming plugin to mute and visually block advertisements during NBA broadcasts.
- Scraped over 200 NBA broadcasts, collecting a dataset of 500,000 images for training and pre-processing.
- Blocked 100% of ads during NBA broadcasts by implementing a PyTorch ML model for ad detection and muting.
- Trained the model to achieve up to 90% accuracy in distinguishing between game content and advertisements.

Capital One Eno Delete | *Javascript, Playwright* **May 2023**
- Developed an automation script to streamline the process of deleting virtual credit cards from a Capital One account, reducing deletion time by 500%.
- Incorporated user input through the command line to guide the automation process, making it customizable for different use-cases.
- Utilized JavaScript and Playwright for browser automation, interacting with complex web elements and forms.

Movie Suggestion Tool | *Python, Matplotlib, Seaborn* **December 2022**
- Implemented a k-means clustering algorithm to group similar movies based on audience and critic ratings, runtime, genre, and other features.
- Preprocessed a Rotten Tomatoes dataset, performing one-hot encoding, normalization, and missing value imputation to prepare it for machine learning algorithms.
- Utilized Matplotlib and Seaborn libraries for visualizing clusters and determining the optimal number of clusters through the elbow method.

Technical Skills

Languages: JavaScript, Typescript, Python, Go, C#, PHP, C++, Java, HTML/CSS, SQL
Developer Tools: VS Code, Visual Studio, AWS, Google Cloud Platform, Ghidra, GDB, Postman, Burp Suite, Insomnia
Technologies/Frameworks: Linux, Git, Docker, Node.js, MongoDB, React, Svelte
Interests: CTF Competitions, Reverse Engineering, Cybersecurity, Penetration Testing