Troy Krupinski

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GitHub • LinkedIn • Austin, TX

Data Scientist/Web Software Developer/
Artificial Intelligence Biomedical Engineer

Highly analytical and results-driven professional with a solid background in software development, data analysis, and web development. Have intentions on helping/solve my auto-immune disease with applications of AI and machine learning. Demonstrated expertise in programming skills with a deep understanding of statistics and probability. Expert in developing scalable web applications and delivering end-to-end solutions to meet client expectations. Ability to manage sensitive data, streamline network infrastructure, and resolve IT-related problems. Skilled in interpreting complex data sets and identifying trends and patterns. Effective communicator with a demonstrated ability to collaborate with cross-functional teams. Passionate about solving real-world problems and driving innovation through artificial intelligence, data analytics and machine learning.

Technical Proficiencies

| Tableau | SAS | R | Excel | HTML / CSS / Bootstrap | MVCs & PHP Frameworks (CodeIgniter) | Data Science | Java & Java Networking | OOP | Data Structures | MERN Stacks | JavaScript | React.js | node.js | jQuery | Ajax | Python 2-3 & Data Analysis | Git | GitHub | Slack | Unix | MEAN Stacks | PHP Scripting & Usage of MySQL | Ubuntu | AWS | Web Applications | C++ | Microsoft Suite

Career Experience

Researcher, In Person   May 2024 – Aug 2024
Graduate Artificial Intelligence and Computer Science Researcher at the University of North Texas

- Research in artificial intelligence, computer science and applications in biomedical engineering,
- Directed by Dr. Mark V. Albert. Graduate Artificial Intelligence and Computer Science Researcher at the University of North Texas,

Self Employed, Online   2019 – 2024
Freelance Mathematics Tutor & Freelance Web Developer

Deliver end-to-end solutions, including front-end and back-end development, database management, and testing. Collaborate with clients to develop and implement effective front-end solutions using MERN stack and MVC frameworks like CodeIgniter. Stay updated with latest industry trends and technologies to provide innovative and cutting-edge solutions to clients.

- Met clients' specific needs by developing scalable web applications and implementing IT Solutions and MERN/CodeIgniter frameworks.
- Achieved impressive GED pass rate of 87% from students by demonstrating exceptional commitment/dedication to academic success for underprivileged students.
- Ensured seamless integration and optimal functionality of web applications by conducting thorough analysis and evaluation of clients' requirements.

Part time at Austin Community College from 2017 to 2019 due to auto immune disease

Jubilee Leadership Academy, Pasco, Washington   2016 – 2017
Mathematics Tutor & IT specialist

Oversaw maintenance and administration of the school's online education system, providing unparalleled IT support. Maintained IT infrastructure, ensuring smooth operation and accessibility of technology resources for education program. Interacted with teachers and parents to create a supportive learning environment for students. Provided exceptional mentorship/guidance and technical support to students and staff in troubleshooting and resolving issues in a timely manner.

- Enhanced student learning/comprehension and helped in passing GED test, leading to high school equivalency.
- Managed student records, ensuring accuracy, organization, and protection of sensitive information.
- Streamlined network infrastructure by optimizing online learning experience for students and faculty.
- Resolved a wide range of IT-related problems and minimized disruptions by collaborating with students and staff.

Education

Masters in Artificial Intelligence conc. Biomedical Engineering – Ongoing
University of North Texas, Denton, TX
Masters in Advanced Data Analytics – Ongoing
University of North Texas, Denton, TX

Bachelor of Applied Arts & Sciences in Data Analytics, Administration, & Computer Programming–Spring (GPA 3.9 Institutional)
Minors in Computer Science and Computer Engineering, University of North Texas, Denton, TX

Associate of Applied Science in Computer Programming & Web Development Programming SPEC (3.2 GPA Ins. 3.6 GPA Major)
Austin Community College, Austin, TX

Licenses & Certifications

Advanced Certificate in Full Stack Web Development, University of Texas at Austin, Austin, TX
Certificate in Advanced Data Analytics, University of North Texas, Denton, TX
Programming OSA Certificate, Austin Community College, Austin, TX
CIT Certificate, Austin Community College, Austin, TX
Certificate in Web Development, Austin Community College, Austin, TX

Community Engagement

Activist for auto-immune patients and people dependent on opiates

Volunteer, https://www.toontownrewritten.com/, Web Development and Python programming

Performed Classical Guitar Concerts at large concert venues

Active in the Austin Music Scene

Active in community engagement in the Super Smash. Bros Melee Scene

Hosted multiple tournaments as a tournament organizer for the local community and growth

Traveled the U.S competing and coaching players at a top level

Mentor of many in mathematics, computer science and esports

Honors & Awards

President's List, Neal Joseph Smatresk, University of North Texas

The National Society of Leadership, University of North Texas

Phi Sigma Pi - Phi Sigma Pi National Honor Fraternity, Austin Community College

Golden Key Society, University of North Texas