

TRENT MASSAM

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Software Engineering professional skilled in Full-Stack Development, AI technologies, Cybersecurity, and Data Analysis. Accomplished Team Leader and Division 1 Tennis Captain. Proficient in all facets of the technology development lifecycle, from inception to deployment. Eager to leverage my technical proficiency, team leadership and passion to drive advancements in the tech sector.

SKILLS & INTERESTS

Skills: Java, Python, SQL, Cloud Computing (AWS, Firebase), DevOps, Git, JavaScript, React.JS, MongoDB

Familiar: Data Analysis, Cyber Security/Risk Analysis, Embedded Systems, Project Management, Systems Analysis, Networking Software/Hardware.

Soft Skills: Agile Methodology, Leadership, Team-Player, Interpersonal Skills, Adaptability, Work Ethic, Attention to detail.

EDUCATION

Monmouth University Graduate School - Long Branch, NJ

Master of Science, Software Engineering. **GPA:** 4.0 / 4.0

Bryant University – Smithfield, RI

Bachelor of Science, Biology Pre-Med. **Minors:** Information System and Analytics, Psychology. **GPA:** 3.91 / 4.0

PROFESSIONAL EXPERIENCE

Full-Stack Developer and Systems Advisor – July 2023 - Current

HPA Management LLC

Engaged in front-end and back-end web development at HPA Management LLC, employing full-stack techniques to oversee databases and manage client data.

- ReactJS paired with HTML, CSS for front-end. Python (Django) for back-end.

Software Engineering Practicum/Internship Lead Developer - August 2022 – May 2023

Leader of a 6-person team; Building front and back-end for Silicon Valley based company 'Koliada LLC' including authenticated User Interface, querying database, and purchase of SDK licenses.

- Utilizing cloud-hosted server Firebase User Authentication and Real-Time Database.
- React library along with JS, HTML, CSS to build UI and its components.
- Created UDP packet Listener and Generator (Node.JS, Python) synced up with a MongoDB database.

Monmouth University Computer Science Department - August 2022 – June 2023

Graduate Assistantship

Building an intelligent evacuation system with KoliadaES sensors and utilizing machine learning to be deployed at Monmouth University. Programmed images onto stacked hardware boards to perform various functions. Implemented embedded systems and real-time development.

Monmouth University Men's Tennis Assistant Coach - August 2022 – May 2023

Rejoined the Monmouth University's Men's Tennis Team as Assistant Coach. Responsibilities include coaching development, schedule/travel planning, hitting with the team and leading our team to succeed as Conference Champions.

PROJECTS & OUTSIDE EXPERIENCE

AWS Cloud Computing Project – January 2023 – May 2023

Image Recognition Service utilizing AWS, OpenAI API, and machine learning to diagnosis and offer treatment advice for various skin diseases.

- Trained a Machine Learning Model with over 10,000 images to recognize skin diseases.
- Used GPT-3 to suggest action and treatment. Automated entire process with Lambda Functions (written in Python) and API Gateway.
- Built front end with ReactJS to allow users to submit photos from their device and authentication using Amazon Cognito.

SRS, Vision and Scope Documentation – January 2022 – May 2022

Detailed a complete SRS document. Learned advanced methods in software systems requirements.

Risk Analysis and Information Technology Consulting - August 2020 – May 2021

Developed a complete implementation plan for a company's computer information system, including program design, and tech problem-solving. Utilized NIST Risk Management Framework along with SP 800-53 controls.

EXTRACURRICULAR

Division 1 Tennis Player - 2017 – 2022, Captain 2019 – 2021

Part of two Division 1 programs. youngest named Captain at the time and led a 16-person team as the sole captain in 2020. Developed a strong sense of time management, responsibility, grit, dedication, and commitment.