

AKIHIDE TAKEI

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SUMMARY

Software System Engineer with hands-on experience in log analysis, test automation, and machine learning-based problem detection. Proven ability to develop practical tools that streamline workflows, reduce manual effort, and improve system reliability. Seeking a Software Engineering role to leverage technical expertise and drive innovative solutions.

EDUCATION

Sam Houston State University – MS, Computer Science

Huntsville, TX | Jan 2022 - Dec 2023

University of Houston – BS, Computer Science

Houston, TX | Jan 2019 - Dec 2021

SKILLS

Programming Languages: C#, Java, C++, SQL, JavaScript, Python, HTML/CSS

Framework Experiences: .Net, Blazor, React, Node.js, Angular, Bootstrap, Tailwind

Tools and Platforms: VS Code, GitHub, Microsoft Azure, Postman, Keil Studio, Arduino IDE

WORK EXPERIENCE

Software System Engineer - Contractor: Panasonic Automotive Peachtree City, GA | Dec 2024 - Present

- Support the EDER (Early Detection, Early Resolution) process by gathering and analyzing system logs, reproducing issues on test benches, and proposing system improvements.
- Developed a log-based pattern recognition tool to automatically identify recurring issues, reducing analysis time.
- Built a BERT-based tool to detect similar problems through natural language comparison of issue reports, improving defect correlation accuracy.
- Automated camera switching on head unit monitors, reducing manual operations and improving test efficiency.

Software Developer - Intern: IntegraShare Solutioneering Inc.

Remote | Mar 2024 - Jun 2024

- Integrated IoT device data into the operational framework and UI.
- Orchestrated .NET with Blazor framework, integrating Azure Functions for real-time data retrieval and SQL database synchronization.
- Developed intuitive UI components and implemented API integrations, enhancing user experience and operational efficiency.

Web Developer - Intern: SHSU College of Arts & Media

Huntsville, TX | Aug 2023 - Dec 2023

- Orchestrated the implementation of an advanced tool that automated the scanning and updating of HTML files based on Excel inputs; optimized site maintenance processes, resulting in a 60% reduction in maintenance costs and a 30% increase in site efficiency.

Graduate Assistant - SHSU Department of Computer Science

Huntsville, TX | Sep 2022 - Sep 2023

- Achieved expertise in software evaluation, debugging, and troubleshooting skills through hands-on testing and grading of student projects, honing my critical software assessment skills.

Software Engineer - Intern: Multinet International Inc.

New York, NY | Jun 2021 - Sep 2021

- Elevated cloud databases by applying JavaScript and RESTful APIs, boosting data accessibility, and reporting capabilities, and gaining fundamental full-stack web development skills.
- Developed and maintained a dynamic Power BI dashboard, improving client engagement with real-time data analysis and effective communication of UI/UX requirements.