Mari Hirota

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E D U C A T I O N

Northwestern College | Orange City   Expected: May 2025

Bachelor of Arts in Computer Science, GPA: 3.6

Relevant Courses

Principles of Software Engineering, Database Management Systems, Networking, Data Mining & Machine Learning, Web Development, Data Structures and Algorithm

CodePath

Intro to Android Development   February 2024 - April 2024

E X P E R I E N C E

Software Engineering Intern | Vermeer   May 2024 - Present

Pella, IA

- Designed and developed new features using **C#, .NET framework**, **Angular**, and the BFF pattern, while applying **CI/CD pipelines** utilized **GitHub Action, Docker**, and **Terraform** to automate the building to improve deployment consistency.
- Executed unit tests and integration tests (**TDD**) on the back end to ensure the reliability and performance of the application, enhancing overall system robustness.
- Engaged in agile processes, communicate across diverse teams to consistently deliver high-quality software.
- Maintained technical documentation to accurately explain new and existing software applications.
- Leading a project to digitize Pre-Delivery Inspection (PDI) forms, streamlining data processing and reducing Quality Notification Forms (QNF) by 92% through quicker completion and eliminating unnecessary handoffs.

IT Technician | Northwestern College   August 2022 - Present

Orange City, IA

- Troubleshooting and problem-solving customer network, hardware and software issues for +1700 people including faculty, staff, and students.
- Repairing computers, printer, handled motherboard issues, removed viruses, upgraded hardware and installing software for Windows and Mac.

P R O J E C T

NearbyEats | GitHub

- Developed a **Kotlin** based mobile app, leveraging the **Yelp API** and **Google API** to help users discover hidden gem restaurants nearby, featuring real-time location update and a user-friendly interface. Future enhancement would include machine learning algorithms to personalize recommendations based on user preferences and behavior.

PiCar-X | GitHub

- Implemented a TCP networking solution in **Python** to enable seamless and reliable control of a car's movement through keyboard inputs, achieving 99% data transmission reliability.

Astronomy Pic of the Day | GitHub

- Developed an Android mobile application using **Kotlin** and the **NASA API** to showcase Astronomy Picture of the Day along with detailed information. The app also features an option to view random astronomy images from any date, offering an engaging and educational experience for space enthusiasts.

L E A D E R S H I P   E X P E R I E N C E

President   August 2023 - Present

Intercultural Club | Northwestern College | Orange City, IA

- Assist intercultural students in their transition to the college environment through one-on-one meetings.
- Organized innovation diverse multicultural events, fostering cultural exchange, while also empowering team members to lead specialized events with dedicated support, resulted in a remarkable 30% increase in engagement.
- Represented and fostered inclusion as the face of the Intercultural Club (I-Club), promoting a sense of belonging in the campus community and cultural awareness across campus.

L A N G U A G E S   &   S K I L L S

Programming Languages: Java, Python, SQL, JavaScript, HTML, CSS, TypeScript, R, Kotlin, C#
Tools: Visual Studio Code, Git, GitHub, Node.js, Angular, RStudio, Wireshark, REST API, Android Studio, Linux, Rider
Member: Rewriting the Code, Learnology (Student Representative), Womanium Quantum Computing and AI Scholar