

# Andy Huang Ling

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## Experience

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May 2023 - Sept 2024

### Software Engineer

- Developed and enhanced UI components, including modals and interactive elements using **AngularJS**. Resulted in a 42% improvement in customer usability and satisfaction.
- Built robust APIs with the **.NET** Framework, integrated them with **MySQL** to provide seamless front-end to back-end connectivity, significantly improving user experience.
- Upgraded projects from **.NET 2** to **.NET 6**, improved security and refactored code to leverage new **.NET 6** functions and libraries.
- Generated over \$24 million in revenue utilizing **C#**, **AngularJS**, **CSS** and **SQL** by handling ad-hoc project enhancements provided by stakeholders.

MarkLogic

May 2021 - Aug 2021

### UI Developer Intern

- Collaborated with an Agile team of 4 to implement UI enhancements on a web application, improving usability and efficiency using **AngularJS** and **Bootstrap**.
- Updated and expanded end-to-end testing procedures, utilizing **CodeceptJS** and **Selenium** to ensure seamless compatibility with UI changes, improving the overall quality assurance process.
- Revamped the company's website to enhance clarity and user flow, leading to improved user experience and increased customer engagement.
- Documented UI enhancements and changes to support team knowledge sharing and facilitate future development efforts.

## Projects

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### Jungle Jam

May 2022

- Collaborated with a team of 7 to develop an interactive game using **Python**, **OpenCV**, and **PyGame**, where players use an oversized slingshot to launch food at projected jungle animals.
- Developed object recognition functionality using **OpenCV** to detect and track the thrown objects' position and impact.
- Designed and implemented gameplay features in **PyGame**, incorporating object tracking and jungle-themed elements to enhance user engagement.

### Online Chatroom

April 2021

- Architected and developed a full-stack web application using **ReactJS**, **MongoDB**, **Redis**, and **Handlebars** to enable peer communication during the pandemic.
- Designed and integrated user account management systems utilizing **Promises** and **REST APIs**, enhancing security and user experience.
- Performed detailed end-to-end testing to ensure smooth and reliable integration across front-end and back-end components.

## Education

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### Rochester Institute of Technology

Aug 2018 - May 2023

Bachelor of Science, New Media Interactive Development

## Skills

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### Technical Skills

Angular · React · TypeScript · C# · SQL · Python · HTML/CSS · .NET6 ·

### Programs

Visual Studio Code · Visual Studio · Adobe Photoshop · Adobe Illustrator