

JOSHUA CHASE

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PROFILE

I am a Master's student in Software Engineering at the University of Western Australia, with a Bachelor's degree in Computer Science from Heilongjiang University of Science and Technology. I possess a strong foundation in web development technologies such as HTML, CSS, JavaScript, and React, as well as programming languages including Python, C, Java, and R for data analysis. With hands-on experience in GitHub and basic proficiency in Flask.

PROJECTS EXPERIENCE

- July 2024 - Present
- R: Utilized R programming for data cleaning, visualization, and statistical analysis on a variety of datasets. Applied exploratory data analysis (EDA) techniques to uncover trends and insights from large data sets. Developed and implemented predictive models to forecast key metrics, improving decision-making processes.*
 - IoT: Designed and implemented an Internet of Things (IoT) project using Raspberry Pi to monitor and automate tasks. Integrated sensors and actuators to create a smart system for real-time data collection and control. Worked with Python to program the device, enabling remote monitoring and controlling through a custom-built interface.*

EDUCATION

- Master of Professional Engineering (Software Engineering), University of Western Australia – 2024
- Bachelor of Computer Science, Heilongjiang University of Science and Technology – 2020
- Relevant coursework: Digital Media and IT Program

KEY SKILLS AND CHARACTERISTICS

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|------------------------|------------------------|
| • Database integration | • Bash/Shell |
| • HTML5, CSS3 | • MySQL |
| • Web frameworks React | • Communication skills |
| • Data Analysis | • Teamwork |

ACTIVITIES AND INTERESTS

Guitar, Badminton, Travel