

# I-Hsuan (Michael) Hu

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Newly graduated developer with practical experience in web applications, database management, and statistical analysis. Skilled in Linux and software development methodologies, seeking a full-time position in Backend, Full Stack, or Data Science.

## + Technical Skills

Languages:	Python, JavaScript, Golang, Java, C#, TypeScript, R
Technology:	Node.js, Django, .NET Core, Angular 17, React, HTML, CSS, Docker, Kubernetes, Git, Linux, AWS, SPSS
Database:	PostgreSQL, MS SQL, MongoDB
Other Concepts:	Software Architectures, Statistics, Agile Methodology

## + Experience

Software Engineer Intern at JCN Information Technology Co. (IBM partner), Taipei	June 2023 – Aug. 2023
<ul style="list-style-type: none"><li>Modified and corrected SQL schema in shell script and transferred it from Teradata to IBM DB2</li><li>Created schemas for new tables in Hua Nan Bank database system</li><li>Wrote Python script to transfer SQL query, allowing two days of work to be completed within an hour</li><li>Demonstrated ML model solutions to clients using IBM SPSS Modeler</li></ul>	
Tech stack: Python, MySQL, Red Hat Linux, IBM DB2, shell script, IBM SPSS Modeler, ML	
Data Analyst at National Chung Hsing University, Taichung	Dec. 2021 – July 2022
<ul style="list-style-type: none"><li>Collected and prepared samples for statistical analysis</li><li>Created insight reports based on samples for MOST's project</li></ul>	
Tech stack: Python, R, SPSS, Biostatistics, PCR, DNA/RNA Sequencing, DNA/RNA extraction	
Data Analyst at Ecolab Inc., Taipei	Mar. 2021 – Oct. 2021
<ul style="list-style-type: none"><li>Analyzed data from clients and evaluated effectiveness of monthly treatment</li><li>Generated monthly reports to the clients</li></ul>	
Tech stack: Python, SPSS, Biostatistics	

## + Education

M.S. in Computer Science, Stevens Institute of Technology, Hoboken, NJ (GPA 3.8)	Sept. 2022 – May 2024
<ul style="list-style-type: none"><li>Vice President of Taiwanese Graduate Student Association</li><li>Recipient of Graduate Student Fellowship</li></ul>	
M.S. in Entomology, National Chung Hsing University, Taichung (GPA 4.1/4.3)	Aug. 2018 – Feb. 2021
<ul style="list-style-type: none"><li>Recipient of Graduate Student Research Fellowship</li></ul>	
B.S. in Entomology, National Chung Hsing University, Taichung	Sept. 2013 – June 2017
<ul style="list-style-type: none"><li>President of Entomology Student Association</li></ul>	

## + Relevant Coursework

CS 546 - Web Programming   JavaScript, Node.js, HTML, CSS, MongoDB, Git
<ul style="list-style-type: none"><li>Used plenty of technologies to do web development, including server-side, database, client-side, and security.</li></ul>
CS 548 - Enterprise Software Architecture and Design   Java, AWS EC2 RDS EKS, Payara, Docker, Maven
<ul style="list-style-type: none"><li>Analysis and design of enterprise software systems, particularly on the recommended architectures.</li></ul>
CS 570 - Data Structure and Algorithm   Java
<ul style="list-style-type: none"><li>Implemented the classic data structures, time complexity, and algorithms.</li></ul>

## + Selective Projects

URL Shortener   Go, Typescript, Angular 17, HTML, Tailwind CSS, PostgreSQL, Docker, RESTful API
<ul style="list-style-type: none"><li>Designed and deployed a URL shortening service with a responsive Angular interface for managing and displaying URLs.</li></ul>
Online Marketplace, CS 546   JavaScript, Node.js, jQuery, Ajax, JSON, HTML, CSS, MongoDB, Google API
<ul style="list-style-type: none"><li>Developed a comprehensive online platform for users to buy and sell items, featuring photo uploads, scheduled meetups, and real-time Google Maps integration.</li></ul>
Taiwan Stock Selector   C#, .NET Core, JavaScript, React, MS SQL, RESTful API
<ul style="list-style-type: none"><li>Built a stock analysis tool that delivers daily trading insights and real-time stock price updates to guide next-day trading strategies.</li></ul>
MySite   HTML, JavaScript, Bootstrap ( <a href="https://ihsuanhu.github.io">https://ihsuanhu.github.io</a> )
<ul style="list-style-type: none"><li>Crafted a personal portfolio website to showcase projects and skills, using Bootstrap for a responsive layout.</li></ul>
Study of Code Review Auto Assignment, SSW 565   Python, PCA, BERT, Word2Vector
<ul style="list-style-type: none"><li>Analyzed and automated the assignment of code reviews using advanced machine-learning techniques.</li></ul>