CHEN-NI LIN

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Education

National Chengchi University   Taipei, Taiwan
B.S. in Science   Sep. 2016 – June 2020

- Overall GPA : 3.64/4.0
- Last 60 credits : 3.54/4.0
- Major GPA : 3.72/4.0

Work Experience

OpenNet   Taipei, Taiwan
Software Engineer   Nov. 2020 – Jan. 2021

- Coordinated with Product Manager, Project Managers, iOS Developers, DevOps Engineers, Front-end Developers, Quality Assurance Engineers and Database Administrator to incorporate ideas for new features and user stories in Microservices systems hosted on AWS.
- Delivered applications for the development process by designing Database schema: MySQL, developing REST APIs: Java, using Microservice Frameworks, Message Queue and Log Real-time Visualization.
- Reduced costs by **$1M** by implementing a risk control function.
- Improved administrative staff efficiency by **20%** through refactoring to improve existing code.

Garena   Taipei, Taiwan
Backend Engineer   July 2020 – Sep. 2020

- Implemented back-end applications for over **50M daily active users** in Python, Django and Linux development environments.
- Created high-quality, clean, maintainable code by using engineering best practices like unit testing, source control, continuous integration, automation, and design patterns.
- Optimized applications to server capacity of **100K operations per second** for maximum performance and scalability by using Redis, Nginx Proxy Cache, Openresty and Lua.
- Redesigned existing applications to maintain server stability with **zero downtime** by migrating traditional servers to Microservice.

Internships Experience

Microsoft   Taipei, Taiwan
Software Engineer Intern   July 2018 – Jan. 2020

- Delivered a MLOps lecture at Microsoft & Study4 .Net Conference, and **became the youngest lecturer**.
- **Secured a contract** with a leading Taiwanese food company by implementing a prototype of an AI application to detect defective bread products on the production line.
- Taught newest technology for female college students at Microsoft DigiGirlz Workshop 2018.
- Developed **50+ functions** for Doctor Order System and Nurse Information System using Vue.js, ASP.NET, MS SQL and Azure DevOps.
- Utilized user-centered design to initiate prototypes for systems and communicated with 20 doctors and nurses to understand users' requirements; achieved high customer satisfaction and lower rework costs.
- Improved development efficiency by **5%** through participating in the daily scrum and inspecting burndown chart and velocity to monitor progress.
- Presented about the experience as a software engineer intern in a team of 100 engineers to a 150-person audience.
- Implemented a Health Information System for Shin Kong Hospital, **Microsoft's largest project** in the Asia Pacific region in 2017 by using **scrum**.

Technical Skills

    Languages: Python, Java, C#, SQL
    Developer Tools: Eclipse, Git, Visual Studio Code, Visual Studio, Eclipse, Azure, Azure DevOps, AWS
    Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit

Projects

Data Science & Artificial Intelligence |Python, Pytorch, SQL Server, Power BI   Mar. 2020
- Implemented machine learning model to predict stock prices by using Pytorch and LSTM.
- Analyzed data and classified customers for precision marketing.

Network & Cybersecurity |Python   Feb. 2020
- Solved security-related problems by using data analysis algorithm and tools.
- Implemented Socket Programming in Python.

Start-up & Web Development |Vue.js, Java, MySQL   Dec. 2019
- Implemented and launched a peer-to-peer student lending information system.
- Developed a sample inventory transaction system to simulate the common functions of a marketing information system.
- Developed an IoT Ethereum System for uploading heartbeat and blood oxygen concentration data to the Blockchain, authorizing other people to read personal data.

Data Structure & Programming |Python, Selenium, Processing   Sep. 2017
- Developed a system for finding specific keyword results in the search engine by using Java, Google Search API, and Apache-Tomcat.
- Implemented a job search system with filtering options.
- Created a basic game in which up, down, left and right keyboard arrows guided a groundhog through challenges.

AWARD

Honorable Mention Award   Taipei, Taiwan
Chief Operating Officer   Oct. 2019
- Won an Honorable Mention in the 2019 InnoServe Awards, an annual application competition held for university and college students.
- Submitted **JomCredit Peer-to-Peer Student Lending Information System** to enter the contest.

Leadership / Extracurricular

Back-end Reading Club   Taipei, Taiwan
Group Member   Jan. 2020 – May. 2021
- Formed a back-end reading club with several other students. I share technology once a month, and research topics like Redis and Ngnix in depth to find practical content.

Hult Prize   Taipei, Taiwan
Leader   Nov. 2017 – Jan. 2018
- Award initiated by the Clinton Global Initiative, an affiliate of the former U.S. President Clinton Foundation, to solve various global social problems through social enterprise.
- **Led a 4-person team** to research global social responsibility issues and ran weekly meetings to oversee progress in essential parts of the presentations.
- Created main structures and ideas for presentations.
- Won **second place** in Group Five.

Nccumis Orientation Camp   Taipei, Taiwan
Camp Counselor   Oct. 2017
- Assisted each team member.

NCCU Student Association   Taipei, Taiwan
Public Relations Group Member   Sep. 2016 – June 2017
- Organized school sponsorships and film activities and arranged the issuance of point cards.

NCCU GoldenMelody   Taipei, Taiwan
Planning Division Team Member   Sep. 2016 – June 2017
- Organized the music competition, music event schedule and all details for the participants.

Pop Dance Club   Taipei, Taiwan
Group member   Sep. 2016 – Jan. 2017
- Participated in dance practice and final performance.