蕭文政
NTHU Resume

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自傳

我是一名對資訊技術充滿熱情的學生，專注於程式設計及各種技術領域的探索。

從大學開始，我逐漸找到對程式的興趣，並在不同領域的專案中磨練自己的技能。無論是 AI醫療影像分析、Web開發、遊戲設計，還是資安領域，我都深入研究並實作相關技術。特別是在「師大資工線上申請系統」專案中，我擔任專案經理，負責規劃與管理專案進度，並協助團隊進行前後端開發。

目前正在參加 AI-Cup 所舉辦的醫病語音敏感個人資料辨識競賽，並同時在準備 AWS Cloud Practitioner 證照。

我具備果斷的決策力、強大的意志力以及良好的團隊合作精神，並喜歡追根究底地解決問題。這些特質讓我在挑戰中不斷成長，並能夠在壓力下有效應對各種挑戰，保持高效的工作表現。

工作經驗

助理全端程式設計師
叡揚資訊　　　　2023/01 ~ 2023/07

- **開發跨服務整合平台**：設計並實作自動流程圖介面，整合公司 SaaS 服務以及 Google 相關功能，提升**自動化流程效率 40%**，降低客戶手動設定時間。
- **串接 SHOPLINE API**：負責 API 串接，讓公司服務無縫連接外部電商平台，成功 **擴展 5+ 家合作企業**，提高企業應用靈活度 。
- **提升系統效能與維護性**：使用 React.js、MySQL、.NET framework 進行開發與優化

專案成就

XZ_util Backdoor 資安報告
CVE-2024-3096　　　　2024/05 ~ 2024/06

- **靜態分析惡意後門**：使用 Ghidra 逆向分析 liblzma5.so，透過函式交叉引用與控制流程圖 (CFG) 追蹤可疑邏輯，成功識別 內部修改點，還原其影響 OpenSSH 認證的行為模式。

Brain Tumor MRI Detection
National Cancer Institute (NCI)　　　　2022/07 ~ 2023/06

- **腦瘤 MRI 影像分析與分割**：使用 CNN 與 instance segmentation 技術，自動辨識並標註腦瘤位置，模型達成 腫瘤檢測準確率 92%，顯著提升 MRI 影像診斷的自動化程度。
- **深度學習框架應用**：運用 MONAI 的 UNETR 進行影像標註，結合 PyTorch 訓練 CNN 模型，有效提升特徵提取能力。

NTNU ADMS 申請入學系統
國立臺灣師範大學　　　　2022/09 ~ 2023/01

- **專案管理與流程優化**：帶領 20+ 人開發團隊，規劃開發流程與監督進度，確保專案在時程 內完成，成功將研究所申請系統 100% 電子化，減少紙本作業時間與人力成本。
- **全端開發與技術學習**：負責前後端開發，使用 TypeScript + Vue.js 建構元件化前端、Go + MongoDB 優化後端效能，並提升自身對 NoSQL 資料庫的理解與應用能力。
- **團隊培訓與技術支援**：除了開發與管理，還協助 內部教學與技術指導，提高團隊開發效率 25%，促進組員快速適應新技術與架構，確保專案順利進行。

師大暑期資工營
國立臺灣師範大學　　　　2021/11 ~ 2022/07

- **統籌與專案管理**：擔任總籌，負責規劃 100 人規模 的資工營隊，制定時程並監督各組進度，確保所有講座、實作課程與活動順利執行，活動滿意度達 90%。
- **跨組協調與廠商洽談**：與多個廠商接洽，確保場地、設備、物資準時到位，同時支援各組運作，讓團隊能專注於 內容規劃與互動。
- **提升高中生對資工的認識**：透過精心設計的課程與活動，使參與學生對大學資工系的了解度提高 85%（根據活動後問卷統計），成功激發學生對資訊科學的興趣。

專長

Pytorch · Vue.js · React.js · C/C++ · Javascript · Go · MySQL · Cybersecurity · Teamwork · Leadership

學歷

國立清華大學
資訊工程學系 碩士 (在學中)
2025/09 ~ 2027/06

國立臺灣師範大學
資訊工程學系 學士
2020/09 ~ 2024/06

證照

Cybersecurity Specialization,
Google, 2024

Project Management Specialization,
Google, 2024

UX Design Specialization,
Google, 2024

語文能力

English (Fluent)

Beck Hsiao
NTHU Resume

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Github: https://github.com/Beck049
Portfolio: https://beck049.github.io/

Autobiography

I am a passionate student in information technology, focusing on programming and exploring various technical fields.

Since university, I have honed my skills through projects in medical AI image analysis, web development, game design, and cybersecurity. Notably, as the project manager for the "NTNU Computer Science Online Application System," I oversaw planning, progress management, and full stack development.

Also, I am currently participating in the AI-Cup competition on identifying sensitive personal information in doctor-patient speech, while also preparing for the AWS Cloud Practitioner certification.

With strong decision-making, willpower, and teamwork skills, I thrive on solving complex problems, tackling challenges under pressure, and maintaining high efficiency.

Experiences

Assistant Software Engineer
Galaxy Software Service Corporation   2023/01 ~ 2023/07

- **Cross-Service Integration:** Designed an automated flowchart interface, integrating SaaS and Google services to boost automation by 40% and reduce setup time.
- **SHOPLINE API Integration:** Led API integration, expanding partnerships with 5+ businesses and enhancing platform flexibility.
- **System Optimization:** Improved performance and maintainability using React.js, MySQL, and .NET.

Projects

XZ_util Backdoor Cybersecurity Report
CVE-2024-3096   2024/05 ~ 2024/06

- **Static Analysis of a Malicious Backdoor:** Using Ghidra, I reverse-engineered liblzma5.so, traced suspicious logic via CFG and cross-references, and identified modifications affecting OpenSSH authentication.

Brain Tumor MRI Detection
National Cancer Institute (NCI)   2022/07 ~ 2023/06

- **Brain Tumor MRI Analysis & Segmentation:** Used CNN and instance segmentation to detect and annotate tumors, achieving 92% accuracy and enhancing MRI diagnosis automation.
- **Deep Learning Framework Application:** Applied MONAI's UNETR for image annotation and trained CNN models with PyTorch to improve feature extraction.

NTNU ADMS (Admission System)
National Taiwan Normal University   2022/09 ~ 2023/01

- **Project Management & Process Optimization:** Led a 20+ member team, overseeing development and ensuring timely completion. Successfully digitized 100% of the graduate application system, reducing paperwork and labor costs.
- **Full-Stack Development & Technical Growth:** Developed both front and back end using TypeScript + Vue.js for a component-based frontend and Go + MongoDB to optimize backend performance, deepening expertise in NoSQL databases.
- **Team Training & Technical Support:** Provided internal training and guidance, boosting team efficiency by 25% and accelerating adaptation to new technologies, ensuring smooth project execution.

NTNU Summer Computer Science Camp
National Taiwan Normal University   2021/11 ~ 2022/07

- **Leadership & Project Management:** Led a 100+ person computer science camp, planning schedules, overseeing progress, and ensuring smooth execution of lectures, workshops, and activities, achieving a 90% satisfaction rate.
- **Cross-Team Coordination & Vendor Negotiation:** Managed vendor communications to secure venues, equipment, and materials on time while supporting teams in content planning and engagement.
- **Enhancing High School Students' CS Awareness:** Designed interactive courses and activities, increasing participants' understanding of CS programs by 85% (post-event survey), successfully sparking interest in computer science.

SKILLS

Pytorch | Vue.js | React.js | C/C++ | Javascript | Go | MySQL | Cybersecurity | Teamwork | Leadership

EDUCATION

National Tsing Hua University
Master's degree, Computer Science
2025/09 ~ 2027/06 **(Ongoing)**

National Taiwan Normal University
Bachelor's degree, Computer Science
2020/09 ~ 2024/06

CERTIFICATIONS

Cybersecurity Specialization,
Google, 2024

Project Management Specialization,
Google, 2024

UX Design Specialization,
Google, 2024

LANGUAGES

English (Fluent)