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。

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

國立臺灣師範大學
資訊工程學系 學士

證照

Cybersecurity Specialization,
Google, 2024

Project Management Specialization,
Google, 2024

UX Design Specialization,
Google, 2024

語文能力

English (Fluent)

Beck Hsiao

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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 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.

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 Taiwan Normal University
Bachelor's degree, Computer Science

CERTIFICATIONS

Cybersecurity Specialization,
Google, 2024

Project Management Specialization,
Google, 2024

UX Design Specialization,
Google, 2024

LANGUAGES

English (Fluent)