BoHong (Boden) Chen

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ACADEMICS

University of Texas, Dallas — *Senior 3.9 GPA*   Graduates Dec 2025
- Computer Science with a concentration in Artificial Intelligence; awarded Academic Excellence and Dean's List

EXPERIENCES

Neo Accounting Firm — *Software Management Internship*   Jun 2024 - Aug 2024
- **Linux/Bash** - Managed Windows environments and Linux servers for critical financial systems, employing Bash scripting and Infrastructure-as-Code (IaC) for file management, automation, and security hardening.
- **Cloud (AWS & Azure)** - Engineered scalable and cost-optimized cloud infrastructure, maintaining 99% uptime.
- **Python (Data Science)** - Conducted performant data insights leveraging **NumPy** and **Pandas** within Anaconda.
- **SQL Database** - Normalized, stored, and queried data using **SQLite** and later **MySQL** in a designed schema.

Nebula Labs — *React/Flask Engineer*   Oct 2023 - May 2024
- **Enterprise Codebase** - Worked in **Amazon**-trained teams on a scalable **Vite** codebase; implemented ESLint, Prettier, testing, and Git hooks while incorporating **Confluence**, GitHub merge requests, and code reviews.
- **React (JS/TS)** - Developed server-side rendered React with type-checking using TypeScript or JavaScript JSDocs.
- **Flask/Django** - Built RESTful APIs with modern frameworks, database integration, and **Firebase** authentication.
- **Electron Desktop App** - Automatically built and deployed a performant Mac, Windows, and Linux application.
- **Agile** - Drove iterative SCRUM development with adaptive planning to optimize sprint velocity and delivery.

TEAM PROJECTS

Google AI Research — *Researcher and Developer*   Nov 2024 - Present
- **TensowFlow/PyTorch** - Researched deep-learning and fine-tuned models with TensorFlow and PyTorch to rival state-of-the-art models in specialized fields with higher performance using quantization and system prompting.
- **Computer Vision** - Leveraged **OpenCV** for image analysis, feature extraction, and object detection.
- **Large Language Models** - Fine-tuned, merged, and quantized existing LLMs on HuggingFace for optimization.
- **Docker** - Streamlined development through containerized Docker instances with Dockerfile and CLI configs.

Java Game Development — *Product Manager*   Aug 2023 - Nov 2024
- **Java/Kotlin** - Developed networked applications in IntelliJ, with custom client-server protocols and real-time state synchronization using OOP and composition paradigm, achieving thousands of users and downloads.
- **Gradle** - Developed a full enterprise-level codebase with Gradle build tools, scripts, caching, and plugins.
- **GitHub Workflow CI/CD** - Configured GitHub Actions to automatically build and package JAR artifacts.

US Air Force Computer Competition — *Washington DC Finals*   Aug 2022 - Mar 2023
- **Cybersecurity** - Secured Cisco, Ubuntu, and Windows using Active Directory, PowerShell, and Registry Editor.
- **National Top 10** - Ranked top 10 of 4000+ in the CyberPatriot Competition; National Finals in Washington, DC.
- **Powershell** - Developed scripts for vulnerability scanning; detected 92% of threats during the competition.

SKILLS

Languages   JavaScript • TypeScript • C++ • Java • C# • HTML/CSS • Python • Swift • SQL • Go • Bash
Ecosystems   Node • Express • React • Next • Flask • Django • Tailwind • Git • .NET • TensorFlow
Other Skills   Figma • Adobe Creative Suite • Audiovisual Editing • Microsoft Office • Fluent in Chinese