Ben Chen

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EDUCATION

University of California, Los Angeles (UCLA)   Expected Graduation in Jun 2026
Bachelor's in Computer Science & Linguistics   *Los Angeles, CA*

- Relevant Coursework (All completed by Jun 2025): **Data Structures; Algorithms and Complexity;** Software Construction; Machine Learning; Computational Linguistics; Functional Programming; Computer Security.
- Awards & Activities: Regents Scholar (top 0.05% of UCLA applicants); ACM Cyber Team; UCLA CTF Team

EXPERIENCE

Cybersecurity Engineer Intern (Cloud Systems)   Jun 2024 to Aug 2024
Walmart Global Tech   *Bentonville, AR*

- Implemented Cloud Security Posture Management (CSPM) solutions on Wiz for Walmart's PCI cloud environment, ensuring continuous compliance & **securing billions of dollars** in online payment info & consumer data privacy.
- Programmed eight different custom **Cloud Configuration Rules** using Rego scripting that continuously runs against Walmart's PCI cloud architecture, which has generated a total of **933 findings & 105 security issues**.
- Enhanced cloud security by delivering **weekly system compliance reports & automatic issue detection email notification integration system**, increasing PCI compliance security stakeholder awareness.
- Developed Proof-of-Concept to automate 24.4% of all PCI requirements using Wiz, **saving thousands of dollars of workhours** and improved cloud posture by identifying previously undetected misconfigurations.

AI Security Shadow   Jun 2024 to Aug 2024
Walmart Global Tech   *Bentonville, AR*

- Observed the implementation of **machine learning models trained** on Windows commands datasets to enhance identification and mitigation of internal organizational threats through User Entity & Behavior Analysis (UEBA).
- Studied the specific roles of machine learning models in **embedding, dimensionality reduction, outlier detection, & pattern interpretation** within an IAM model production pipeline using DevSecOps principles.

Deep Learning Research Intern   Jan 2023 to May 2023
The Mobile and Intelligent Computing Laboratory   *San Francisco, CA*

- Established STM32 & ESP32 asynchronous communication by optimizing remote PC-based operations with on-device protocols, **boosting transmission efficiency by 30%** and eliminated cybersecurity risks.
- Engineered Bluetooth connection between Myo armband and ESP32, implemented UART protocol for data transmissions onto STM32 microcontroller, ensuring a **robust data pipeline** to finetune on-device CNN models.

PROJECTS

GDPR Compliance Machine Learning Published Research Paper | *UCLA ACM - Cybersecurity Team*

- Co-authored a UCLA **AI cybersecurity** paper utilizing NLP to conduct GDPR compliance assessments on sites.
- Developed a Chrome extension that automates plugin file retrieval and analysis using Selenium and Python.
- **Engineered a DistilBERT-based language model to evaluate privacy policies against GDPR standards, fine-tuned with a specialized dataset for 80.1% accuracy.**
- Paper published & presented at the 2023 MIT Undergraduate Research Technology Conference.

URL Threat Analyzer Website + Chrome Extension | *AI cybersecurity project*

- Led an AI cybersecurity project that tells if an inputted URL is benign or malicious via a website and extension.
- Utilized NLP concepts that assessed URL threat just by parsing the URL without looking at website code.
- **Harnessed datasets, Word2Vec, NLTK, and Pandas, culminating in a K-Nearest Neighbors model**; Used SDLC & CI/CD guidelines to implement Flask that facilitated real-time URL analysis on our website.
- **Model has 96.77% accuracy** in predicting URL threat, empowering ≥ 82 users to have greater web security.

TECHNICAL SKILLS

Languages: Experience in Java, Python, C++, SQL, HTML, CSS, JavaScript, Prolog, Haskell, Rego
Developer Tools: Git, PowerShell, VS Code, Google Colab, Flask, Replit, Pandas, NumPy, **Linux**, **Wireshark**, **Wiz**
Certifications: Google Cybersecurity, **AWS** Cloud Technical Essentials, **Azure** Cloud Services, **Google Cloud** Fundamentals, Google Linux & SQL, Google Network Security