

Loang Chiang

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EDUCATION

Brown University

Providence, RI

Bachelor of Science in Computer Science, Bachelor of Arts in Behavioral Decision Sciences

Aug. 2024 – May 2028

- Honors & Activities: Bonner Community Fellow, Meiklejohn Peer Advisor, Brown WiCS Co-Development Lead, FullStack@Brown Software Engineer, AVGE Logistics Chair
- Relevant Coursework: Sociotechnical Systems and HCI, Data Structures and Algorithms, Management of Industrial Organizations, Computer Systems, Fundamentals of AI, Statistical Inference, Linear Algebra with Theory

WORK EXPERIENCE

Product Development Intern

Sep. 2025 – Present

Sin-cere Consulting & Multiservices

Providence, RI

- Build a mobile-friendly intake and onboarding platform, digitizing the client intake process into a mobile-friendly prototype and expanding access to business support services across Rhode Island
- Collaborate with program staff to integrate features such as service sign-ups, scheduling, and notifications, aligning the platform with community needs
- Conduct usability testing with entrepreneurs and iterate on form flows and layouts to improve accessibility and user experience

Analytics & Software Development Intern

June 2025 – Aug. 2025

Banco de Crédito BCP

Lima, PE

- Joined the Cybersecurity Governance team as part of the Summer Trainees program at Peru's leading bank
- Designed and delivered a cloud-based Power BI dashboard to visualize cybersecurity framework maturity across programs and initiatives, providing 40+ executives and specialists with clear insights for strategic decision-making
- Developed Python automation scripts to translate cybersecurity framework evidence across multiple compliance standards, streamlining reporting and improving collaboration with regulators and internal teams
- Automated governance workflows in the cloud by integrating Excel with Power Automate, improving reporting efficiency

Data Analytics Intern

January 2025 – May 2025

Providence Public Library

Providence, RI

- Delivered a data analysis project with the goal of supporting long-term fundraising and financial planning
- Analyzed donor and membership trends using Python to identify high-potential fundraising opportunities and guide outreach
- Presented key findings and actionable insights to library leadership, directly supporting strategic development decisions

RESEARCH & TEACHING EXPERIENCE

Undergraduate Research Assistant

August 2025 – Present

Brown Human-Computer Interaction Lab

Providence, RI

- Develop Python data pipelines for *Sochiatrist*, a research tool studying mental health through analysis of social messaging data
- Build interactive visualizations in Plotly to reveal behavioral patterns and generate insights for research teams
- Translate results into recommendations to guide academic studies and practical applications in mental health technology

Undergraduate Teaching Assistant

August 2025 – Present

Brown University Department of Computer Science

Providence, RI

- Selected as teaching assistant for the first-ever Fall offering of CSCI0300: Fundamentals of Computer Systems, Brown University's largest computer systems class
- Lead weekly discussion sections of 20+ students, simplifying complex systems concepts through applied examples
- Provide individualized support through regular office hours, improving student confidence in debugging and systems coding

PROJECTS & LEADERSHIP

PVDXWebApp, Frontend Developer and Product Manager | *Python, FastAPI, React, SQLite, Git, Figma*

- Co-lead development and serve as product manager of PVDXWebApp, an educational platform enabling K-12 students to interact with upcoming PVDX satellite through live data updates and block coding
- Build and maintain React components integrated with a FastAPI backend, ensuring smooth data flow between both
- Lead design sprints and feature planning, producing high-fidelity Figma prototypes and defining product requirements with the engineering team

Reflect Journal | *Swift, SwiftUI, CoreData, Figma*

- Design and develop a habit-tracking journaling app that motivates daily reflection through streaks, progress analytics, and prompts
- Implement a CoreData-backed storage system for offline journaling and secure local data persistence
- Build interactive SwiftUI interfaces with animations and color-adaptive theming to create an intuitive UX

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript/TypeScript, HTML/CSS

Frameworks: React, Node.js, Flask, FastAPI

Tools: Power BI, Tableau, Power Automate, Excel, Git, Docker, Figma

Languages & Interests: English & Spanish | Literature, fiction writing, theater, productivity tools