

Samphasnearyroth (Nero) Chau

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EDUCATION

Lewis & Clark College | Portland, OR

B.A. in Computer Science & Mathematics, Data Science | GPA: 3.92/4.0

Relevant Courses: Intro to Data Science, CS I & II, Calculus II, Discrete Math, Linear Algebra, Algorithm Design & Analysis, Network and Website Development, Statistical Concepts and Methods

SKILLS

Technical & AI Tools: Python, R, SQL, Generative AI (LangChain, LangGraph, Gemini), Google Workspace

Data & Machine Learning: pandas, scikit-learn, statistical modeling, data visualization, reproducible analysis (Quarto)

Collaboration & Project Management: Git/GitHub, Salesforce, SAP, project coordination

PROFESSIONAL EXPERIENCE

Information Technology Technician | LEWIS & CLARK COLLEGE **Dec 2025 - Present**

- Provided technical support for 500+ students, faculty, and staff, resolving hardware, software, and network issues.
- Assisted with setup, troubleshooting, and basic maintenance of campus devices, managed inventory of equipment, and improved operational efficiency.

Breakthrough Tech | AI/ML Fellow | CORNELL TECH **May 2025 - Present**

- Selected from 3,600+ applicants for a competitive AI fellowship.
- Developing an Agentic AI grant assistant for small businesses and nonprofits using LangChain and LangGraph, enabling streamlined funding discovery and proposal support.

Overseas and Off-campus Office | Administrative Intern | Portland, Oregon **Sept 2024 - Present**

- Provided administrative support to 600+ applicants using Salesforce, handling calls, emails, visitors, and applications

Co-Founder | Wander In Tech | Phnom Penh, Cambodia **Jun 2022 - Sep 2024**

- Developed web dev and data science curricula, reaching 500+ high school students (previously funded by UNICEF).
- Led marketing and outreach, including rural workshops, to promote camps and engage the community.

PROJECTS

[National Exam as a Measure of Student Success](#) | DSCI140 Intro to Data Science **Nov 2025 - Dec 2025**

- Analyzed Cambodian education data in R to evaluate whether national exam scores predict broader student success.
- Built a reproducible workflow with R Quarto, enabling transparent analysis and results validation.

[Career-personality Matching](#) | Caricon **Sept 2025 - Dec 2025**

- Developed machine learning models using MBTI and O*Net datasets to predict job performance; Logistic Regression achieved 64.5% test accuracy.
- Analyzed per-class precision and recall to assess class imbalance, model fairness, and reliability trade-offs, translating results into actionable insights.

[Choosr](#) | HackMIT **Sept 2025**

- Built a Chrome extension in JavaScript to analyze Amazon products, compare alternatives, and give cost-benefit recommendations.
- Designed and developed the landing page to showcase features and improve user onboarding.

AWARDS

Academic Merit Scholarships: Dean's List, Davis Scholar (\$40,000 yearly), United World College East Africa (\$58,000)

Competition: AmazonNext x CodePath Design Challenge 2025 (1st runner-up), ACM Hackathon 2025 (1st runner-up)

Courses: IBM (AI for Everyone), Kode with Klossy (WebDev & Data Science), CodePath (WebDev), Cornell Tech (Machine Learning Foundation), Sisters of Code (Wix & Google Site)