

# Tenzin Thinley

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## EDUCATION

**Colby College**, Waterville, ME

**Bachelor of Arts, May 2027**

*Major:* Computer Science, Economics

**GPA: 3.96**

*Relevant Coursework:* Computational Thinking, Data Structures and Algorithms, Series and Multivariable Calculus, Data Analysis and Visualization, Digital Media Design, MicroTheory, International Trade

*Honors:* Dean's List

**Li Po Chun United World College of Hong Kong**, Hong Kong

**International Baccalaureate, May, 2022**

## TECHNICAL SKILLS

Programming Languages: Python | Java | HTML | CSS | JavaScript | R

Libraries: NumPy | Matplotlib | SciPy | Pandas | NLTK | spaCy

Software: Adobe Suite, Canva, Wordpress, Fusion360, Tinkercad, Inkscape, Stata

Productivity Tools: Microsoft Office | Google Workspace

Languages: English(Fluent) | Bhutanese(Fluent) | Chinese(Intermediate)

## PROJECT EXPERIENCE

**GoM Basking Sharks Population Projection**, Waterville, Maine

January 2025 - February 2025

*Data Scientist*

- Developed scalable, data-driven models to address environmental challenges, leveraging Random Forest and analytics tools (R, dplyr, ggplot2) to evaluate 7500+ data points and generate actionable insights for ecosystem management
- Engineered MVP models, applying feature selection and decision-tree methods to enhance performance; conducted evaluation with product metrics(ROC/AUC, accuracy, confusion matrices) to ensure scalability and adoption

**AIGlow**, Boston, Massachusetts

August 2024 - September 2024

*Full-stack Developer*

- Designed and developed a scalable full-stack web application (React.js, Node.js), integrating an artificial neural network to deliver personalized skincare recommendations, highlighting responsible AI for user-centric solutions
- Integrated Amazon and Sephora APIs for real-time tailored skincare product recommendation, demonstrating solution architecture design in production-like environments

## WORK AND INTERNSHIP EXPERIENCES

**INSITE LAB**, Colby College, ME

March 2025 - Present

*Research Assistant*

- Developed an NLP pipeline (NLTK, spaCy) to extract spatial language patterns, generating insights for accessibility; applied quantitative and qualitative analysis to evaluate impact and improve solutions for blind/low vision community
- Engineered and standardized 50+ datasets (45-60 minute transcripts) with Python and Excel, ensuring scalable, reproducible data pipelines; collaborated with faculty to communicate findings and support accessibility research

**Department of Computer Science**, Colby College, ME

September 2024 - Present

*Teaching Assistant*

- Review and evaluate 80+ student project reports and Python programming assignments per semester, validating logic, troubleshooting bugs, and providing feedback to ensure accuracy, clarity, and code efficiency
- Contacted 20+ students regarding incomplete submissions, offering detailed feedback on reports and projects, clarifying expectations, providing guidance for improvement, and making myself available for further support

**Webacy and Extern**, New York, New York

August 2024 - September 2024

*Data Analyst*

- Verified 500+ data labels by reviewing case studies and analyzing code, ensuring dataset reliability and consistency
- Analyzed 2000+ cryptocurrency data using SQL, Excel and scikit-learn, applying statistical methods and unsupervised ML for preprocessing, visualization(e.g.,heatmaps), and uncovering risk profiles in smart contract vulnerabilities

**SHARE**, Bunyangabu, Uganda

June 2024 - August 2024

*Web-developer*

- Led the design of a scalable, user-centric web solution, applying analytics to boost responsiveness by 60% and enhance performance and accessibility; emphasized reusability and scalability to align with long-term product goals
- Partnered with media and communications team to align deployment with organizational goals, demonstrating a consultative, client-focused approach; applied agile methods to ensure timely delivery and impact on engagement

**Druk Gyalpo's Institute**, Paro, Bhutan

September 2022 - July 2023

*Data Scientist*

- Authored 4 documentation pieces on educational advancements for the Bhutan Baccalaureate, conducting literature reviews, analyzing source materials, and synthesizing findings across 5+ documents and 5000+ datasets
- Led qualitative research by designing and conducting 25 in-depth interviews on well-being, applying thematic analysis to extract key patterns, and synthesizing findings into a multimedia video presentation delivered to 20-25 educators