Ellyn Ngo

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EDUCATION

Bucknell University, Lewisburg, PA   *Expected: May 2026*
B.S. Business Analytics & B.A. Computer Science   *GPA*: 3.94 / 4.0

- *Honors*: Alpha Lambda Delta Honor ($2,000), BGS Business Honor, Michael M. & Lillian A. Fremont ($2,000)
- *Certifications*: Tableau Desktop Specialist, Microsoft Office Specialist in Excel, Word, PowerPoint
- *Coursework:* Predictive Analytics, Data Structures and Algorithms, Software Engineering, Corporate Finance, Statistics
- Grace Hopper Conference 2024 (GHC 24); **Citi** Markets Quantitative Analysis NAM Mentee (since Feb 2024)
- Semi-Finalist in **Adobe Sales Academy** Student Competition 2024

EXPERIENCE

EAM-Mosca   *5/2024 – 8/2024*
Business Intelligence and Data Analytics Intern   *Hazleton, PA*
(EAM-Mosca is a leading global manufacturer of high-quality, automated packaging solutions and strapping systems)

- Analyzed and enhanced **data architecture and data warehousing on Salesforce** by implementing advanced **ETL processes** and defined fit rates of **30+ machine lines** utilizing **Power Query, SQL, Excel**, and advanced analytics.
- Generated and maintained over **50 visualization insights** from 10 complex datasets about business operations through **Power BI, and LLM including GPT-4, Claude.AI**, advanced query transformation, and statistical analysis.
- Collaborated with internal board members to apply new query models and constantly improve the accuracy of fit rate.

Paragon One   *11/2023 – 2/2024*
AI Powered Product Discovery Lab Intern   *Remote*
(Paragon One partners with top-tier companies in various industries to solve problems in product discovery and business strategy)

- Paired with industry experts to evaluate 5+ cases around venture capital concepts: **MVP, Exit Strategies, M&A, and product-market fit,** leading to 3 final strategic insights presentations that informed investment allocation and product development.
- Coordinated **20 usability testing interviews** leveraging Otter.ai to capture feedback on cross-platform functionality of the Extern webpage; produced a comprehensive product discovery report, contributing to a 15% increase in user satisfaction after 3 months.

Office of the Provost (Bucknell University), Lewisburg, PA   *3/2023 – Present*
Experiential Learning Intern   *Lewisburg, PA*

- Conducted comprehensive qualitative and quantitative research on student experience at peer institutions and promoted **6 experiential learning initiatives**, which contributed to an increase in the retention rate of 2% at Bucknell University.
- Designed a personal budget spreadsheet used by 50+ students during the Pre-Orientation problem-solving programs, leveraging **Excel, Google Sheets, and Google Apps Script**.

Teaching and Learning Center (Bucknell University), Lewisburg, PA   *12/2023 – 5/2024*
Accounting Facilitator   *Lewisburg, PA*

- Organized collaborative learning opportunities for diverse learners and creating a variety of content tools using Google Suite and Monday to facilitate a study group of 10 students to guide them through accounting coursework.

PROJECTS

Key Frenzy - Scrum Master | *Java, JavaFX, SceneBuilder, Adobe Photoshop, Agile, Scrum, Git, Gitlab, Gradle, OOP*

- Implemented a full-stack game application using **Java** as the backend and **JavaFX, SceneBuilder** as the frontend.
- Facilitated **agile practices, conducting daily stand-ups, sprint planning and reviews, product planning using Lucid C** for the development of Key Frenzy, an arcade game designed to improve typing speed, responsiveness, and accuracy.

Hotel Booking Cancellation Status Prediction Model | *Python, Numpy, Pandas, Matplotlib, Seaborn*

- Developed an **extensive EDA and predictive model** on a dataset of **119,390 hotel bookings** in **Jupyter Notebook** to identify key factors influencing cancellations and optimized using Hyperparameter Tuning.
- Compared two data science algorithms (**Decision Tree and Random Forest**), with the best AUC ROC of **0.82.**

OutStyle | *HTML, CSS, JavaScript, DOM, Git*

- Designed and developed both front-end and back-end systems of a comprehensive website to promote outdoor activities and a healthier lifestyle, leveraging Edamam API to process food nutrition content data mining process.

SKILLS AND OTHER EXPERIENCES

- *Languages*: Python, Java, SQL, HTML/CSS, JavaScript, Dart, R
- *Tools and Frameworks*: MySQL, data visualization (Power BI, Tableau), data science (TensorFlow, Pytorch, Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn), AWS, Github/Gitlab, Android Studio, Adobe XD, Figma, React/React Native
- *Campus Involvement:* Analytics Student Leader, Bucknell Kitchen Manager, Vietnamese Student Organization – President, Students for Asian Awareness – President, Karate Martial Arts Club – Treasurer, K Pop Dance Club – Treasurer