Nhat (Chris) Le

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EDUCATION

Iowa State University - Bachelor of Science, Honors (GPA: 4.0/ 4.0)   **Ames, Iowa**
Triple Major: *Computer Science, Applied Mathematics & Data Science*   *Expected: June 2026*
Relevant Coursework: CS 227: OOP; CS 228: Data Structures; CS 230: Discrete Computational Structures; CS 319: UI/ UX Design; DS 201: Data Science; MATH 317: Advanced Linear Algebra; MATH 165, 166, 265: Calculus 1-3; STAT 201, 301: Statistical Concepts and Methods
Involvement: International Student Ambassador, Data Science club, Computer Science club

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, PHP, HTML/ CSS, SQL/ MySQL
Frameworks/ Technologies: React.js, Node.js, Express.js, Bootstrap, DOM Manipulation
Developer Tools: Git, Github, VS Code, Eclipse, Anaconda, JMP, Microsoft Office
Methodologies: Object-oriented Programming, Data Structure and Algorithms, Web Development, Neural Networks, Problem-solving skills, Mathematics

RESEARCH

Machine Learning for Biological System   *Spring 2024*
Iowa State University Honors Undergraduate Research. Advisor: Dr. Shana Moothedath
- Build up a solid mathematical and computational foundation of deep learning & neural networks
- Leverage data analysis techniques and machine learning algorithms to decode the intricacies of biological processes, from genetic interactions to cellular behaviors
- Seeking to unravel complex patterns and relationships inherent in biological data

EXPERIENCE

CS Tutor | Academic Success Center | Iowa State University   *Spring 2024*
- Tutor several groups of 2-6 students in **Object-oriented Programming (CS 227)**, resulting in significant improvement of their grades
- Inspire dynamic learning environments by fostering open communication, employing collaborative teaching methodologies, and demonstrating leadership to cultivate vibrant discussions and sustain high levels of student engagement
- Tailor tutoring approaches to accommodate diverse learning styles and skill levels, ensuring every student received personalized support

Data Science Summer Program | MaSSP (Math & Science)   *May 2022 - August 2022*
- Immersed in machine learning methods, optimization algorithms and linear algebra
- Applied theoretical knowledge to implement machine learning algorithms, including K-Means and Random Forest, utilizing Python programming
- Actively collaborated with a mentor to execute a comprehensive project on Kaggle, focusing on predictive modeling for house prices using linear regression and random forest algorithms

PROJECTS

Responsive Restaurant Website   *January 2024*
- Leveraged Bootstrap CSS and JavaScript plugins to ensure seamless responsiveness across various devices
- Employed advanced JavaScript techniques for efficient event handling through DOM manipulation, enhancing user interaction and experience
- Implemented HTTPs/AJAX requests to establish seamless client-server communication

Web Application for Iowa Housing Prices Prediction   *September 2023*
- Collected and analyzed housing price data in Ames, Iowa, and performed feature selection *machine learning* system
- Developed a *machine learning system* using *Linear Regression* to forecast housing prices
- Designed a *web application* using *Python Flask*, enabling users to input house details and obtain an estimate of the property's price

HONORS AND REWARDS

Honors: Top 2% Academic Achievement Class of 2027

Awards: 1st place @ Iowa Collegiate Math Competition, MAA 2024; 1st @ American Math Competition

Certificates: Supervised Machine Learning @ **Stanford** | Deep Learning and Neural Networks @ **DeepLearning.AI** | HTML, CSS, JavaScript for Web Developers @ **Johns Hopskin University** | Introduction to Databases @ **Meta**