

HUNG K. NGUYEN

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EDUCATION

Lawrence University, Appleton, WI

June 2023

Bachelor of Arts, Computer Science and Economics

- 3.99 GPA and 4.0 Major GPA
- Philip & Rosemary Wiley Bradley Achievement Scholarship in Economics
- Dean's List, International Student Scholarship & Grant
- SWE Coursework: Software Development, System Programming, IOS/Android Development, Web Development
- Coursework: Objected Oriented Programming Design, Data Structure and Algorithms, Machine Learning, Artificial Intelligence, Econometrics, Corporate Finance, Data Analysis

TECHNICAL SKILLS

- Object Oriented Programming Languages: Python, Java, C++, C#, Swift
- Web development Languages and Technologies: HTML, CSS, JavaScript, React.js, Express.js, Node.js
- Other languages and Technologies: C, R, Scheme, SQL, MongoDB, Linux, Docker, Microsoft Excls

PROFESSIONAL EXPERIENCE

Teaching Assistant, Lawrence University | Appleton, WI

January 2022 - Present

- Tutoring 60+ computer science and economics undergrads each term on advanced course materials
- Managing 20+ undergrad consultations from different fields of study on Data Visualization Techniques, Data Analysis and Interpretation, R programming, and deploying Git/GitHub for version control
- Troubleshooting and debugging students' homework, proctoring exams, brainstorming assignments, and conducting extra classes to reinforce knowledge for an average of 20 hours per week
- Boost an average of 20% of students' GPA, reduce students troubleshooting and debugging time by 66%

Computer Science Instructor, iD Tech | Lake Forest, IL

June 2022 - August 2022

- Taught 70 high school students on advance programming: AI, Cryptography/Blockchain, Game Development
- Built 10 Python applications, 5 neural networks using Keras/TensorFlow, and 2 Unity3D projects for VR
- Troubleshot codes and recommended new ideas to improve curriculums on 3 company's forums

PROJECTS

Software Engineer, 3D Data Visualizer | Appleton, WI

July 2022 - Present

- Creating a 3D data visualization software for users on the Virtual Reality Headset - Oculus 2

IOS Developer, Trivia App | Appleton, WI

September 2022 - October 2022

- Led a team of IOS developers for a course, developed an app using Swift with REST APIs and SQL database

Researcher, Paper on COVID Interventions | Appleton, WI

September 2021 - November 2021

- Developed a lagged first-difference estimator to measure COVID policies' effectiveness. Identified 6 effective interventions and increased closeness of fit to data over naive approach by 35%

Full Stack Engineer, E-Commerce Web App | Hanoi, Vietnam

March 2021 - August 2021

- Built an e-commerce website for purchasing eBooks, wrote frontend UI and backend APIs with 30+ custom React.js components and 20+ REST APIs, implemented OAuth 2.0 authentication

Software Engineer, Minesweeper clone and solver AI | Hanoi, Vietnam

May 2021 - May 2021

- Designed a probabilistic and deduction algorithm, achieved a 95% solved rate for easy games, 60% solved rate for intermediate games, and 35% solve rate for expert games