

Phi Henry Nguyen

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EDUCATION

Carnegie Mellon University • GPA: 4.0/4.0

EXPECTED: MAY 2023

B.S Information Systems, Additional Minors in Human Computer Interaction, Software Engineering, and Computer Science

Selected Coursework: Principles of Imperative Computation, Principles of Software Construction, Database Design & Development, Business Systems Programming with COBOL, Information & Grid Design, Interaction Design Overview

Texas Academy of Mathematics and Science • GPA: 4.0/4.0

MAY 2019

Early college entrance program at the University of North Texas (UNT)

Selected Coursework: Data Structures, Object-Oriented Programming for Business, Web-Based Information Technologies

WORK EXPERIENCE

Research Intern • CMU Human Computer Interaction Institute

PITTSBURGH, PA • MARCH 2020 - PRESENT

- Design and develop free math learning software for middle school students under the CMU Open Learning Initiative
- Convert intelligent tutoring interfaces from Adobe Flash to HTML, CSS, and Javascript

15-112 Teaching Assistant • Carnegie Mellon School of Computer Science

PITTSBURGH, PA • JANUARY 2020 - PRESENT

- Prepare for course virtualization by writing test case autograder scripts in Python and converting course notes to LaTeX
- Teach recitations of 30+ students covering fundamental programming and computer science topics in Python and Go
- Mentor students through knowledge gaps and conceptual misunderstandings at lab sessions and office hours

Student Consultant • 180 Degrees Consulting

PITTSBURGH, PA • DECEMBER 2019 - PRESENT

- Currently working with the Rukmini Foundation, a non-profit organization dedicated to supporting education in Nepal
- Use Salesforce and Tableau to create standardized frameworks and storage structure for data flow and analysis

Undergraduate Research Fellow • UNT HiLT Research Lab

DENTON, TX • NOVEMBER 2017 - MARCH 2019

- Strengthened technical skills through the iSpy project, a game-based approach to multimodal robot learning
- Built a novel information extraction system using Python Machine Learning and Natural Language Processing to extract keywords from 1200+ Amazon product descriptions

LEADERSHIP EXPERIENCE

Public Relations Head • CMU Asian Students Association (ASA)

PITTSBURGH, PA • OCTOBER 2019 - PRESENT

- Act as a liaison between the ASA executive board and over 200 undergraduate general body members
- Organize and promote social and advocacy events including the 2020 ECAASU Conference, the largest Asian American Student conference in the nation with 5000+ attendees from over 100 universities

Tutoring Director • University of North Texas Computer Science Organization

DENTON, TX • MARCH 2018 - APRIL 2019

- Coordinated tutoring for Computer Science majors at UNT through oversight of 12 tutors and over 50 students
- Hosted review sessions covering topics on object-oriented programming and data structures in C++

PUBLICATIONS

Extracting Learnable Concepts from Natural-Language Descriptions

FEBRUARY 2019

FIRST AUTHOR • SUBMITTED TO NAACL-HLT 2019 CONFERENCE

- Exploration into a novel approach to extract words from natural-language descriptions of objects that are both relevant to the specified object and capable of being grounded using visual features using Stanford Core NLP and SciKit Learn

ADDITIONAL INFORMATION

Programming Languages: Python • Javascript • HTML • CSS • C • C++ • Go • Java • SQL • COBOL

Technical Tools: Bootstrap • Adobe XD • Git • LaTeX • SciKit Learn • Stanford Core NLP • Microsoft Office Suite

Awards: Dean's List, High Honors (CMU) • President's List (UNT)

Activities: Capital One Software Engineering Summit • Stocks and Options Trading • Teaching and Education • Research