Phi Henry **Nguyen**

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EDUCATION

Carnegie Mellon University • GPA: 4.0/4.0   **AUGUST 2019 - 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   **AUGUST 2017 - MAY 2019**

Early college entrance program at the University of North Texas (UNT). Graduated with 2 years of college credit.
Selected Coursework: Data Structures, Object-Oriented Programming for Business, Web-Based Information Technologies

EXPERIENCE

Software Engineering Summiteer • Capital One   VIRTUAL • AUGUST 2020
  – One of 50 out of 500+ applicants selected to attend Capital One's 2020 Software Engineering Summit
  – Attended several workshops and learned software development tools such as Android Studio, Firebase, and Azure

15-112 Teaching Assistant • CMU 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

Research Intern • CMU Human Computer Interaction Institute   PITTSBURGH, PA • MARCH 2020 - AUGUST 2020
  – 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

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

PROJECTS AND PUBLICATIONS

Freelance Web Development   PRESENT
  – Designed and developed several websites for CMU organizations, individuals, and course projects with Adobe XD, Bootstrap, and React. Deployed through GitHub pages and showcased at www.phihenrynguyen.com/projects.

Boba Addict Web Application   MARCH 2020
  – Developed a full stack web application with Bootstrap and Yelp's Fusion API to help users find and map nearby Boba Tea shops using HTML5 Geotagging and other filters. Also includes an optimized general restaurant search function.

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 • Java • SQL • C • C++ • Go • COBOL
Technical Tools: Bootstrap • React • Adobe XD • Git • Android • Firebase • Microsoft Azure • LaTeX • SciKit Learn
Awards: Dean's List, High Honors (CMU) • President's List (UNT)
Activities: Asian Students Association Public Relations Head/Webmaster • Sigma Phi Epsilon • Stocks and Options Trading