

TIFFANY NGUYEN

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PROFESSIONAL EXPERIENCE

Blockchain Project Lead

ECU Innovation Design Lab

Feb 2019 – Ongoing Greenville, NC

- Leads a team of four interns in working with a board of advisors to develop a blockchain framework for L&M, a produce supplier for Walmart.

Undergraduate Researcher

Fisher-Wellman Lab, East Carolina Heart Institute

Aug 2018 – Ongoing Greenville, NC

- Develops a data analysis toolkit (which is published on the Python Package Index) to automate the data analysis process of our assay platform, reducing analysis time from one assay in two hours to numerous in a few minutes.

Undergraduate Researcher

ECU Department of Computer Science

Feb 2017 – May 2018 Greenville, NC

- Divided code solutions into varying levels of granularity in order to encourage CS students of different experience levels to learn and progress in their studies.

Mobile Application Development Intern

MATCH Wellness

Oct 2016 – Oct 2017 Greenville, NC

- Developed the entirety of the iOS and Android mobile applications used by students of MATCH Wellness which are currently available on the Google Play and Apple App Stores.
- Developed an API for the MATCH Wellness system that makes user data accessible by the mobile app.

PROJECTS

HealthHelp

PearlHacks at UNC Chapel Hill

Feb '19 Chapel Hill, NC

- Led a team of four to develop an AI chatbot using Amazon Lex and the Google Translate API that helps immigrant populations overcome barriers in access to healthcare and won the prize for Best Health Related Hack at PearlHacks.

Dot Dot Dash, Dinder

DiamondHacks at NC State University

Apr '16, Sep '17 Raleigh, NC

- Led a team in developing an Android application called Dinder that pairs up solo-diners in the same area and won the prize for Most Creative Hack at DiamondHacks.
- Constructed an app called Dot Dot Dash using Android Studio and Google's speech-to-text API that translates speech to Morse code vibrations for use by hearing and visually impaired people.

EDUCATION

B.S. in Computer Science, Minor in Neuroscience

East Carolina University

Aug '16 – May '20 Greenville, NC

Yonsei International Summer School

Yonsei University

June '18 – Aug '18 Seoul, South Korea

CERTIFICATIONS

Blockchain for Business - An Introduction to Hyperledger Technologies

edX.com

Oct '18

Up and Running with Python

Lynda.com

Dec '16

STRENGTHS

Proficient in: Java Python C++

Swift Linux MacOS X

Some experience with: C HTML

CSS JavaScript MongoDB XML

PHP SQL R NodeJS AWS

HONORS & AWARDS

EC Scholars and ECU Honors College
2016 - 2020

ECU Computer Science Service
Award
2018

CRA-W Research Scholar
2017

Phi Kappa Phi Outstanding First-Year
Student
2016-2017

LANGUAGES

English
Spanish
Korean



LEADERSHIP EXPERIENCE

Blockchain ECU

Founder, President

📅 Aug '18 – Ongoing

📍 Greenville, NC

- Started a student organization at ECU to foster a community of students interested in learning more about blockchain development and connected members with the Innovation Design Lab to work on a blockchain project with a supplier for Walmart.

ECU Spark

Founder, Director

📅 Jun '17 – Ongoing

📍 Greenville, NC

- Started ECU's first annual interdisciplinary hackathon to bring together local companies, entrepreneurs, students, professionals, and people interested in technology and innovation.
- Coordinates all aspects of the event (which will be happening for the second time this Spring) including finances, the itinerary for the event, sponsor relations, marketing, and other event logistics.

Women in Computer Science

Founder, President

📅 Jan '17 – Ongoing

📍 Greenville, NC

- Started WiCS at ECU in order to foster a diverse community in the tech field and combat the fact that women made up less than 10% of our department during my freshman year.
- Created a day for middle school girls in Greenville to visit ECU's campus and learn about sisterhood and technology that will continue in years to come.
- Organized women in CS at ECU to serve as mentors to students in the Girls Who Code Club at Pitt County Schools Early College High School.

Association for Computing Machinery, ECU Chapter

Chair

📅 Oct '16 – Ongoing

📍 Greenville, NC

- Increased organization activity since becoming chair by hosting meetings and workshops every other week as opposed to one meeting per semester like in years before.
- Organized group trips to university hackathons within the state in which our members won prizes including PearlHacks and HackNC.
- Hosted professional development workshops for members on topics such as web and mobile app development, interview prep, hackathon prep, and more in order to prepare students for their careers.

Dean's Student Leadership Advisory Council

Co-President

📅 Jan '17 – Aug '18

📍 Greenville, NC

- Worked closely with the assistant dean of the College of Engineering and Technology to advise the dean on various topics impacting students and their educational and social experiences.
- Hosted a STEM program called Technoquest in Eastern NC in Fall 2017 which brought 165 Girl Scouts to ECU's campus for a day of educational workshops.

Google igniteCS

Mentor

📅 Oct '16 – Jun '17

📍 Greenville, NC

- Used funds provided by Google to develop and implement educational computer science programs for high school students in Greenville.

RELEVANT COURSES

Algorithmic Problem Solving

CSCI 1010

Algorithms and Data Structures

CSCI 2530

Automata and Formal Languages

CSCI 4602

Big Data & Analytics in Society

HNRS 2116

Computer Networks

CSCI 3010

Cryptography and Information Systems

CSCI 4905 (In Progress)

Data Abstraction and Object-Oriented Data Structures

CSCI 2540

Database Management Systems

CSCI 3700

Design and Analysis of Algorithms

CSCI 3650 (In Progress)

Digital Electronics

CSCI 2410

Discrete Structures I

CSCI 2400

Discrete Structures II

CSCI 2405

Entrepreneurship Essentials

MGMT 3500 (In Progress)

Machine Learning

CSCI 4120

Natural Language Processing

CSCI 4140

Operating Systems

CSCI 3000

Organization of Programming Languages

CSCI 3675