

TIFFANY NGUYEN

Hello, World!

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PROFESSIONAL EXPERIENCE

Undergraduate Researcher

East Carolina Heart Institute

Aug 2018 – Ongoing Greenville, NC

- Designs and develops programs using Python that can perform the data analysis methods created by the Fisher-Wellman laboratory. The program is used by other researchers in the laboratory.

Undergraduate Researcher

ECU Department of Computer Science

July 2017 – May 2018 Greenville, NC

- Conducted research on modern computer science curricula in order to develop ground-breaking techniques that will increase interest in the field, retention rates, student diversity, and career readiness.

Banner 9 Task Force Member

ECU ITCS

Aug 2017 – Feb 2018 Greenville, NC

- Provided feedback on the proposed changes and input on ways to improve Banner and PiratePort, the university's technology centers for students.
- Served as the student technology consultant for the task force.

Mobile Application Development Intern

MATCH Wellness

Oct 2016 – Oct 2017 Greenville, NC

- Developed iOS and Android mobile applications for use by MATCH Wellness.
- Managed full-stack development responsibilities.

PROJECTS

OneStep, Find My Food

HackNC

Oct '16, Nov '17 Chapel Hill, NC

- Formed a team and developed an application called OneStep which alerts caretakers if a loved one has been immobile for a prolonged period of time. The app also sends the location of the person in question and alerts emergency services if the caretaker does not respond.
- OneStep is intended for use by people with medical concerns in order to introduce increased independence into a patient's life while still maintaining a level of safety and security.
- Developed a mobile app called Find My Food that utilizes Yelp's API to help users narrow down their cravings to a customized selection of restaurants when they aren't sure what they want to eat.

Dot Dot Dash, Dinder

DiamondHacks

Apr '16, Sep '17 Raleigh, NC

- Constructed an app called Dot Dot Dash using Android Studio that is intended for use by hearing and visually impaired people. The app uses Google's API to translate speech to Morse code vibrations.
- Worked with a team to develop an app called Dinder which allows solo-diners to pair and match with others eating alone in their area.

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

HONORS & AWARDS

EC Scholars and ECU Honors College
2016 - 2020

Computer Science Service Award
2018

CRA-W Research Scholar
2017

Phi Kappa Phi Outstanding First-Year Student
2016-2017

STRENGTHS

Hard-working

Curious

Leader

Proficient in: Java Python C++ C

Swift

Some experience with: HTML CSS

JavaScript

XML

PHP

SQL

R

LANGUAGES

English

Spanish

Korean



CERTIFICATIONS

Blockchain for Business - An Introduction to Hyperledger Technologies

edX.com

Oct '18

Up and Running with Python

Lynda.com

Dec '16

LEADERSHIP EXPERIENCE

Blockchain ECU

Founder, President

📅 Aug '18 – Ongoing

📍 Greenville, NC

- Started a student organization at ECU focused on blockchain activities.
- Organizes meetings, events, and activities for members to learn about and work with blockchain technology.

ECU Spark

Founder, Director

📅 Jun '17 – Ongoing

📍 Greenville, NC

- Started ECU's first annual interdisciplinary hackathon. The event brings together local companies, entrepreneurs, students, professionals, and anyone interested in technology and innovation.
- Coordinates all aspects of the event including finances, the itinerary for the event, sponsor relations, marketing, and 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.
- Hosts fundraisers to raise money for educational CS outreach programs.
- Created a day for middle school girls in Greenville to visit ECU's campus and learn about sisterhood and technology.
- 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. Meetings/activities are now hosted every other week.
- Increased the average turnout by members for organization activities to around 15 members per meeting.
- Organized group trips to university hackathons within the state.
- Hosted professional development workshops for members on topics. Some such workshops include web and mobile app development, interview prep, and hackathon prep.

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.
- Organized regular meetings with the council, community outreach events, speaker panels, and other activities for students.
- Served as a representative for students in the Computer Science Department.

Google igniteCS

Mentor

📅 Oct '16 – Jun '17

📍 Greenville, NC

- Used funds provided by Google to develop and implement education computer science programs for high school students in Greenville.
- Worked to promote interest and diversity in technology around the community.

COURSES

Algorithmic Problem Solving

[CSCI 1010](#)

Algorithms and Data Structures

[CSCI 2530](#)

Big Data & Analytics in Society

[HNRS 2116](#)

Cognitive Psychology

[PSYC 3226](#)

Computer Networks

[CSCI 3010](#)

Data Abstraction and Object-Oriented Data Structures

[CSCI 2540](#)

Digital Electronics

[CSCI 2410](#)

Discrete Structures I

[CSCI 2400](#)

Discrete Structures II

[CSCI 2405](#)

Honors Leadership and Service Colloquium

[HNRS 2000](#)

Honors Research Internship

[HNRS 3002](#)

Introduction to Neuroscience

[PSYC 3310](#)

Natural Language Processing

[CSCI 4140](#)

Operating Systems

[CSCI 3000](#)