TIFFANY NGUYEN

Hello, World!

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PROFESSIONAL EXPERIENCE

Undergraduate Researcher
Fisher-Wellman Lab, East Carolina Heart Institute

📅 Aug 2018 – Ongoing   📍 Greenville, NC

- Developed and published a data analysis toolkit 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

📅 July 2017 – May 2018   📍 Greenville, NC

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

Banner 9 Task Force Student Technology Consultant
ECU ITCS

📅 Aug 2017 – Feb 2018   📍 Greenville, NC

- Provided feedback on proposed changes for Banner and PiratePort, the university's technology centers for students, in order to increase user-friendliness of the application and accessibility to university resources.

Mobile Application Development Intern
MATCH Wellness

📅 Oct 2016 – Oct 2017   📍 Greenville, NC

- Worked as the sole full-stack developer of the MATCH Wellness iOS and Android mobile applications. Released these applications on the Google Play and Apple App Stores for students of the MATCH Wellness program.
- Developed an API for the MATCH Wellness system that is accessible by the mobile app.

PROJECTS

OneStep, Find My Food
HackNC at UNC Chapel Hill

📅 Oct '16, Nov '17, Oct '18   📍 Chapel Hill, NC

- Led a team that developed an application called OneStep which alerts caretakers and emergency services if a loved one has been immobile for a prolonged period of time.
- Developed a mobile app called Find My Food that utilizes Yelp's API to help users match their cravings to nearby restaurants when unsure of what to eat.
- Constructed an augmented reality iOS application that allows users to see Google ratings of the businesses around them through their phone camera.

Dot Dot Dash, Dinder
DiamondHacks at NC State University

📅 Apr '16, Sep '17   📍 Raleigh, NC

- 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 impared people.
- Worked with a team to develop a "Most Creative" award-winning app called Dinder which pairs solo-diners in the same 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

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++ C Swift

Some experience with: HTML CSS JavaScript XML PHP SQL R

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 focused on blockchain activities.
- Organizes weekly 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 brought together local companies, entrepreneurs, students, professionals, and people interested in technology and innovation.
- Coordinates all aspects of the event occurring this spring 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 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.
- 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.
- Hosted a STEM program called Technoquest for Girl Scouts in Eastern NC in Fall 2017 which reached 165 girls.

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.

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

Cognitive Psychology
PSYC 3226

Computer Networks
CSCI 3010

Data Abstraction and Object-Oriented Data Structures
CSCI 2540

Database Management Systems
CSCI 3700

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

Machine Learning
CSCI 4120

Natural Language Processing
CSCI 4140

Operating Systems
CSCI 3000

Organization of Programming Languages
CSCI 3675