TIFFANY NGUYEN

📍 Raleigh, NC   🔗 tiffanyknguyen.com   in linkedin.com/in/tiffany-k-nguyen/   ○ github.com/tiffkwin

PROFESSIONAL EXPERIENCE

Technology Development Program Associate
Optum

📅 June 2020 – Ongoing   📍 Raleigh, NC

- Established CI/CD pipelines for development projects using Docker, Jenkins, and Openshift.
- Performed frontend and backend development for microservices within a software platform using React, Koa.js, Flask, Django, and MySQL.
- Researched and set up Apache Kafka within the platform architecture to facilitate event-driven processing.

Undergraduate Researcher
Fisher-Wellman Lab, East Carolina Heart Institute

📅 Aug 2018 – May 2020   📍 Greenville, NC

- Developed a comprehensive data analysis toolkit (which is published on the Python Package Index and BioChemJ) to automate the data analysis process of our assay platforms.

Technology Development Intern, Product Owner
Optum

📅 June 2019 – Aug 2019   📍 Raleigh, NC

- Developed a FHIR compliant application from the ground up using Flask in Python, React, and a MySQL database.
- Hosted the application (containerized with Docker) on OpenShift and deployed through Jenkins.
- Led the development team in creating the product vision and developing new feature ideas as Product Owner. The application was then presented to a VP for funding and support for production-level development.

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 with Adobe ColdFusion that makes user data accessible from the mobile app.

PUBLICATIONS

Goldberg, E., Buddo, K., McLaughlin, K., [et al, including **Nguyen, T.**] (2019) Tissue-Specific Characterization of Mitochondrial Branched-Chain Keto Acid Oxidation Using a Multiplexed Assay Platform, *Biochemical Journal 476(9)*

EDUCATION

B.S. in Computer Science, Minor in Neuroscience | Magna Cum Laude
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

SKILLS

Proficient in: Python, Java, Swift, HTML, CSS

Some experience with: Docker, FHIR, React, OpenShift, Jenkins, C++, C, JavaScript, SQL, Node.js, AWS, Android Studio, Kafka

HONORS & AWARDS

🏆 **Google Women Techmakers Scholar**
2019
Awarded to 20 students in North America who exemplify leadership and passion for increasing the involvement of women in tech.

🏆 **Lucille Moore Award**
2018-2019
Awarded to one student leader in ECU's Computer Science Department.

🏆 **CRA-W Research Scholar**
2017
Awarded to students interested in computing research to allow them to attend the Grace Hopper Conference.

🏆 **Phi Kappa Phi Outstanding First-Year Student**
2016-2017
Awarded to one exemplary first-year student at East Carolina University.

🏆 **EC Scholars and ECU Honors College**
2016 - 2020
ECU's most prestigious merit scholarship, awarded to 20 students each year.

LEADERSHIP EXPERIENCE

ECU Spark
Founder, Director

📅 Jun '17 – May 2020   📍 Greenville, NC

- Started ECU's first annual interdisciplinary hackathon to bring together local companies, entrepreneurs, students, professionals, and people interested in technology and innovation.
- Coordinated all aspects of the hackathon including finances, the itinerary for the event, sponsor relations, marketing, and other event logistics.

Women in Computer Science
Founder, President

📅 Jan '17 – May 2020   📍 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 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 – May 2020   📍 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 an annual 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.

PROJECTS

RxTranslate
HackNC at UNC Chapel Hill

📅 Oct '19   📍 Chapel Hill, NC

- Led a team of ACM and WiCS members in developing a Python application that takes a photo of a prescription label, translates it to a target language, and scrapes the web to provide information of potentially harmful drug interactions.
- RxTranslate aims to help bridge the gap in health literacy among Limited English Proficient individuals and was selected for the Second Place Overall, Best Health Hack, and Best Hack Empowering Minorities awards at HackNC.

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.

Dinder
DiamondHacks at NC State University

📅 Sep '17   📍 Raleigh, NC

- Led a team in developing an Android application called Dinder that pairs up solo-diners in the same area and was selected as the Most Creative Hack at DiamondHacks.

Dot Dot Dash
DiamondHacks at NC State University

📅 Apr '16   📍 Raleigh, NC

- Developed an Android application 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.