

OGBONNAYA C. NGWU

4621 Explorer Drive, #310, W. Melbourne, FL. 32904
+1 (321)298-5277 | ongwu2014@my.fit.edu | <https://ongwu2014.github.io>

OBJECTIVE

As a Software Engineering undergraduate, I aspire to build software that positively impact our society. Being an academically outstanding student and an enthusiastic learner, I look forward to applying my skills and experiences in an entry level Software Engineering position in your company to reach my aspirations and advance my skills.

EXPERIENCE

Ecypse Limited, Nigeria
Software Engineering Intern | May 2017 – August 2017

- Ecypse Limited and Ecypse Solutions is a tech company in Nigeria. At Ecypse, I got the opportunity to work with embedded software and application software. I was part of the communication and integration team. Working with a team of staff Software Engineers gave me the opportunity to experience industry-level software development process from product inception to deployment phase.

STL Fashion House, Nigeria
Software Engineering Intern (Remote) | May 2016 – August 2016

- STL is a growing luxurious fashion brand in Nigeria. As a software engineering intern, I worked closely with the engineering team to build online solutions channeled at better serving their customers. I worked with the web development team and the mobile app development team. As an intern, my major focus was on front-end development of their website and mobile (iOS) development

EDUCATION

Software Engineering (BSc.) | Florida Institute of Technology
Minors: Computational Mathematics and Psychology
August 2014 – Present (Expected Date of Graduation: May 2018)
GPA: 4.0

PROJECTS

CryptoArb: Crypto Arb is a real time arbitraging software for cryptocurrencies. It is a web based application that computes the price differences across three cryptocurrencies (Bitcoin, Ethereum, and Litecoin), and across four exchanges (GDAX, EXMO, Gemini, and Kraken). The software uses the quotes obtained from the exchanges to compute viable arbitraging paths and performs the trade to earn profit for the users.

Coronary Castle: Coronary Castle is a java application for restaurant management. It uses seven software engineering design patterns to achieve robust functionalities: Access menu(decorator pattern), Create cashier (factory pattern), Instantiate register (Singleton), Message Passing (Adapter), Kitchen Queue (composite pattern) , and Facade Pattern.

SKILLS

Languages: Java, C/C++, Python, Swift, HTML, CSS, JavaScript
Frameworks / Libraries: Django, Bootstrap, JQuery, OpenMP and MPI (Parallel Computing)
Excellent language and communication skills

RELEVANT COURSES

Algorithms and Data Structures (CSE 2010), Formal Languages and Automata Theory (CSE 4082), Software Testing 1 and 2 (CSE 3411 and 4415), Software Design Methods (CSE 3421), Software Metrics and Models (CSE 4621), Software Requirements Engineering (CSE 4610), Parallel and Real-time Algorithms (CSE 4082), Operating Systems Concepts (CSE 4001), Introduction to Analysis of Algorithms (CSE 4081), Numerical Analysis (MTH 4311), Applied Discrete Mathematics (MTH 2051), Probability and Applied Statistics (MTH 2401), Introduction to Linear Algebra (MTH 3102), Differential Equations and Linear Algebra (MTH 2201), Calculus 1 and 2 (MTH 1001/1002)

AWARDS AND ACKNOWLEDGEMENTS

- | | |
|---------------------------------|-----------------------|
| ■ Dean’s List | Fall 2014 – Fall 2017 |
| ■ Distinguished Student Scholar | Spring 2016 |
| ■ Distinguished Student Scholar | Spring 2017 |