

Frank Wanye

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Education

Virginia Tech | Blacksburg, VA | August 2018 – Present

Advisor: Dr. Wu-chun Feng (Synergy Lab)
Degree: Ph.D. in Computer Science (Expected: 2023) (4.0 GPA)
Coursework: Big Data Text Summarization, Operating Systems, Algorithms in Bioinformatics, Data Analytics

Grand Valley State University | Greater Grand Rapids Area, MI | August 2014 – April 2018

Degree: B.Sc. in Computer Science, Minor in Mathematics (4.0 GPA)
Coursework: Data Structures & Algorithms, Web Applications Development, Data Communications, Artificial Intelligence, Computer Architecture, Databases, Linear Algebra, Discrete Structures

Publications

F. D. Wanye, V. Gleyzer, and W. Feng, “Fast Stochastic Block Partitioning via Sampling,” in *HPEC*, 2019.

Skills

Programming Languages

- Python, Java, Kotlin, C/C++, Javascript, Groovy, HTML/CSS

Tools and Frameworks

- Git, Gradle, Tensorflow, SASS, Node.js, React.js, MySQL

Other

- Parallel and distributed computing, graph processing, machine learning

Experience

Virginia Tech | Blacksburg, VA | December 2018 – Present

Position: Graduate Research Assistant for the Synergy Lab

- Worked on optimizing and parallelizing the MIT Graph Challenge: Stochastic Block Partitioning problem
- Extended LLVM’s Clang-Tidy module with new linters targeting OpenCL code meant for FPGAs

Virginia Tech | Blacksburg, VA | August 2018 – December 2018

Position: Graduate Teaching Assistant for Computer Systems (CS 3214)

- Evaluated student work as a grader
- Held one-on-one sessions with students during office hours

Grand Valley State University | Greater Grand Rapids Area, MI | August 2017 – December 2017

Position: Kindschi Undergraduate Research Fellow (advised by Dr. Greg Wolffe)

- Built an RNN-based application for predicting an agent’s next location
- Presented findings as a poster on Student Scholars Day (April 2018, GVSU)

Blue Medora, LLC | Grand Rapids, MI | May 2017 – August 2017

Position: Software Development Intern

- Built a grade plugin to automate build processes
- Developed and tested plugins for the VMware vRealize Operations platform

Other

Languages

- English, Russian

Hobbies

- Piano, Soccer, Tennis, Reading, Art, Biking, Taekwondo