

Alain-Olivier Kouassi

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Objective

To utilize and continue to grow my software engineering skill sets and work towards creating a better and easier environment for all.

Education

Bachelor of Science, Major in Computer Science, Minor in Economics

Rose-Hulman Institute of Technology, Terre Haute, IN

May 2021

Status: **Senior**

Relevant coursework

Object-Oriented Software Development, Data Structures and Algorithms, Android Application Development, Computer Architecture, Operating Systems, Database Systems, Software Design, Advanced Database Systems, Machine Learning, Computer Security, Cyber Crime and Digital Forensics, Theory of Computation

Skills

Technical Skills

Programming: Java, C, Kotlin

Scripting: Python, Shell, NodeJS, JavaScript

Markup and Web Development: HTML, CSS, XML, VueJS, PugJS, LaTeX, React

Database Management: SQL, MongoDB, Elasticsearch, Redis, Neo4j

Operating Systems: Windows, Mac OS, Unix Systems, Ubuntu, Debian, Fedora, Manjaro, AcroLinux, Arch Linux

General Skills

- Six years of Mandarin language
- Leadership and excellent written, oral communication, and interpersonal skills

Experience

Blackboard, Indianapolis, Indiana

June 2020-August 2020

Software Engineer Intern

- Created new user interfaces and linking backend APIs within blackboard ultra
- Resolved critical bugs for new releases on a Scrum team
- Implemented new solutions in React, Jasmine, and Java

Doxpop, Richmond, Indiana

June 2019-August 2019

Software Engineer Intern

- As a Full Stack Developer, worked on the VueJS Development team to create mission-critical information systems by designing, testing, deploying and maintaining software applications.
- Converted pages from old framework to new Vue component framework using VueJS, PugJS, JavaScript, and SCSS
- Implemented new Vue components and Java backend servlets
- Worked on both front-end and back-end components in a fluid development environment

Rose-Hulman Institute of Technology, Terre Haute, Indiana

Fall 2018 - June 2019

Sophomore Advisor

- Helped new freshman transition to college life and living on campus, and served as an advisor and resource to students across different engineering disciplines.
- Collaborated with Student Affairs and Resident Assistants to create an inviting, and safe environment for new students

Operation Catapult Counselor

Summer 2018

- Served as a counselor in a camp designed for high school students to complete engineering projects and gain experience in their fields as well as gain insight on the college experience
- Worked closely with professors to create the best experience for the students

Georgia Institute of Technology, Atlanta Georgia

Summer 2016

Lead Programmer

- Tasked with writing the code for the research, development, marketing, and presentation of a self-driving truck prototype
- Presented results in front of industry sponsors such as QUALCOMM, Intel, and GM

Honors

- Rose-Hulman Institute of Technology – Four Years Full Academic Scholarship Award
- Attended the National Thomas Edison Inventors Ceremony in West Orange, NJ, 2015
- Johns Hopkins Center for Talented Youth Program Talent Search, Selection and Attendance
- Graduated from Seton Hall Preparatory School with Honors
- AP Scholar with Distinction, and Math Honors Society member