

## DANIEL QUAIDOO

+233 0591906002, [www.linkedin.com/in/danielquaidoo](http://www.linkedin.com/in/danielquaidoo) [daniel.quaidoo@gmail.com](mailto:daniel.quaidoo@gmail.com)

### EDUCATION

**Clark University**, Worcester, MA Awarded: May 2017

**Major:** Bachelor of Arts, Computer Science and Mathematics

**Minor:** Bachelor of Arts, Economics

**Honors/Awards:** Best in Computer Studies in SOS-HGIC [2011], Best Student in Computer Science of Graduating Class [2013]

**Scholarships:** International Financial Aid Award [Full Tuition Award]

### Programming Experience

**Skills:** Python, JavaScript, Perl, Java, PHP, C#, SQL, Objective-C, NodeJS, HTML5, CSS3, Git, TypeScript, Ruby on Rails, MongoDB, SQL Server

**Frameworks:** React, Angular, Laravel, Django, Flask, Ionic, gRPC

**Environments, Platforms and Software:** AWS, Apache, Azure Server, Docker, Kubernetes, Xamarin, Kafka, RabbitMQ, AutoSys, Adobe Creative Suite, Linux, Mac OS, and Windows, .Net Framework, Service NOW

### RELEVANT EXPERIENCE

#### Full Stack Engineer - Freelance, June 2019 –

- Created first iteration of management consulting firm. Implement UI components and overall web design patterns for end user
- Developed a health care management ERM for client with a long-term focus on research and data driven early outbreak detection. The tech stack included React, NodeJS, Python. API call implementation was made to enable extension of healthcare as a service for client's integration with other facilities
- Collaborated with team of 3 to create an event curation/experience management mobile application to allow end users to better explore their local communities and cities. This project included working with Xamarin, C# and the .Net Framework

#### Full Stack Engineer

**Morgan Stanley**, New York, NY USA June 2016 – Oct 2018

Software Engineer - Morgan Stanley Electronic Trading

- Built global migration assistant client to aid automation of migrating trading system application-run services from public vendor to in-house monitoring system. Due diligence was performed in ensuring migration assistant did not affect trading hours and business activities. Application helped the firm in cost-savings to a more efficient in-house ecosystem. The success of migration tasks and cost-saving led to promotion of direct supervisor
- Built UI/UX interface using Angular, TypeScript, NodeJS to create an in-house CI/CD platform for developers to automate the process of software delivery and spot-checks with Jenkins. Application also run background automation checks to enforce firm best practices in QA and Prod environments. Translated into improved CI turnover and code up-to-date submission practices
- Created an application which made use of real-time streaming data pipelines using Kafka and RabbitMQ to create a better visualization of trading systems data logs. Application had a built-in email-feature to alert analysts and response team of any issues on trading systems hosts. It helped prevent outages and made the MSET team more proactive in catching faulty hosts
- Built CLI tools to analyze network logs using Python/Perl. Sybase as backend, to ensure Site Reliability of trading systems and plant. Analyzed network level logs [PCAPS] using various packet level data capture techniques in Wireshark and other proprietary application monitoring/automation tools. Improved visibility and reduced outages faced by front facing trade team
- Built email alerting feature for trading system hosts which spot checked critical system indicators to ensure readiness for next-day trading. This allowed for easy visibility of potential faulty hosts and address issues to be in line with SLI and SLOs.
- Cooperated with trading exchange analysts to ensured sovereignty of FIX trades in accordance with SLA agreements with clients and vendors. Debugged issues with FIX trade and documented incidents to help improve system performance
- Implemented quality checks on readiness of trading plant in line with any changes made by stock exchange. Worked weekend shifts to test new trading symbols, tickers and other low-touch trading products were appropriately implemented by respective teams and run automation tests on trade flow to ensure Site Reliability and Infrastructure readiness
- Collaborated with team to create automation tool to read and analyze emails from front-end stock trading sell-side and analyze issues with stock trade flow they had with clients. Automation system included UI/UX frontend using Angular, Typescript and a backend built with Python, Perl, Sybase which plugged in to incident management report system Service NOW to allow for automatic reporting of pre-determined incidents

## Frontend Engineer

**Clark University, Marketing and Comm. Dept** Worcester, MA, USA August 2015 – April 2017

Frontend Software Developer

- Collaborated with supervisor in migrating old website pages to new content management system. Helped ensure old pages were ready for migration and collaborated with supervisor for rollout and revamp of old university website
- Collaborated with design team to roll out web version of holiday web card which was designed using HTML5, CSS3, JavaScript, D3.js. Delivered holiday card in line with design team and marketing goals which gained large holiday traction on university site
- Debug end user issues with Clark University managed web pages and updated PHP web pages
- Lead a team of 3 to develop website for first ever undergraduate student research journal at Clark University. Took ownership of project management tasks and reviewed design concepts for website

## Backend Engineer

**Soft Tribe Ltd, Airport Residential Area, Accra – Ghana** June 2015 – Aug 2015

Software Developer Intern

- Designed and engineered mobile application for educational institution to help guardians and school administrators monitor activities of 750+ students. Development tech stack comprised of Ionic framework, python, SQL, Angular
- Developed along with team of 5 a carpooling application for client. Worked on both frontend and backend to enhance created UI component modules and improved API service call architecture tech stack used include SQL server, angular, NodeJS

## Technology Consultant

**Clark University, ITS Helpdesk** Worcester, MA, USA January 2014 – May 2014

Technology Consultant

- Assessed and managed IT resource issues and responded to ticket request pertaining Clark University computing resources
- Maintained Help and Service Desk technical inquires and resolved customer service issues. Awarded Employer of the Month [April] for outstanding work ethics and customer service delivery

**Other Professional Experience:** Job shadowing at Barclays - Ghana, Technology Consulting Royal Sneda Ltd., TEDx Clark University Web Developer

## LEADERSHIP & AFFILIATIONS

**Black Student Union, Clark University,** Worcester, MA, USA September 2015 – April 2016

Treasurer

- Managed club budget and was responsible for signing off purchase orders and completing vendor procurements for club events and activities
- Able to pitch to Student Council and increase the club budget by almost 30% from previous year turnover for subsequent fiscal period

**Project HEY,** Tema, Ghana June 2012 – 2017

IT & Programs Coordinator

- Prepare practical lesson plans and facilitate tutoring sessions of over 50 students. Improved exam performance of students and their aptitude for learning and understanding technological concepts
- Donated computers to 3 participating schools to aid in their day to day learning activities. This helped to reduce financial burden on schools in providing equipment for students

**Other affiliations:** Caribbean African Students Association, Clark University ACM, Intramural Soccer Club, Clark Intervarsity