

## Richard Pallangyo

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### EDUCATION

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Seattle University Seattle, WA

**BA in Computer Science, Math & Data Science Minors** **Exp. Graduation: June 2021**

**Honors & Awards:** Dean's List, 3 quarters; Tri-Alpha First-Gen Honor Society; Alfie Scholar; Xavier Merit Award

**Related coursework:** Languages and Computation, Databases, Machine Learning, Data Structures, Big Data Analytics, Data Visualization, Methodology of Data Science, Art of Web Design, Project Management and Development, Statistics

Seattle Central College

Seattle, WA

**Associate of Science in Computer Science**

**June 2017 – March 2019**

Honors & Awards: Dean's List, 5 quarters; Phi Theta Kappa Honor Society

### SKILLS

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**Technical Skills:** Data Analytics, SQL, Database, Data Mngmt, Statistics, Python, R, Visualization, Tableau, Excel, Spark, HiveQL, ETL, Data Mining, AWS, Hadoop, HTML, CSS, ReactJS, C#, .NET core

**Soft Skills:** Communication, Problem-solving, Research, Attention to detail, Teamwork, Management

**Language Skills:** Swahili - Native; English - Fluent

### WORK EXPERIENCE & PROJECTS

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Seattle University, College of Science & Engineering (CSE) - Capstone Project

Seattle, WA

**Software Engineer**

**September 2020 – Present**

- Work independently and as a part of a team to automate CSE Faculty Annual Performance Review process
- Gather and analyze user requirements to create project scope, design and plan documents
- Used .NET core to build web API that guides communication between database and React app
- Use ReactJS and TypeScript to create reusable UI components for a fast and scalable single page application
- Lead team in frontend unit testing with Jest framework to ensure frontend code meets quality standard
- Present project progress and demos to stakeholders and adapt their feedback to the project in subsequent sprints

Usambara Destination Eco. Tours

Arusha, Tanzania

**Web Developer**

**March 2020 – July 2020**

- Used HTML/CSS, JavaScript and design skills to design and launch client's first website
- Applied analytical skills to ensure quality code, understand and analyze client's needs
- Utilized attention to detail skills to ensure website security for customer's safety and trust
- Increased customer trust and booking by 50 percent within first year after website launch

Fundamentals of Databases' Course Individual Project

Seattle, WA

**SQL Database Designer**

**January 2020 – March 2020**

- Designed and implemented an airline reservation system (ARS) relational database
- Wrote SQL script to create the database and perform CRUD operations on the database
- Generated and cleaned synthetic data to avoid real data costs, ensure privacy, and test the database

Seattle Central BE Learning Center

Seattle, WA

**Math Tutor**

**October 2017 – March 2019**

- Aided students struggling in algebra, pre-calculus, calculus, and statistics

Seattle Central Institute of English

Seattle, WA

**Student Administrative Assistant**

**November 2017 – March 2019**

- Oriented students from non-English speaking countries to Seattle Central life
- Assisted department managers with data entry, event planning, and administrative tasks

Arusha Modern (High) School

Arusha, Tanzania

**Teaching Assistant**

**January 2016 – April 2017**

- Taught physics, mathematics (through pre-calculus), and information communication technology; assisted students with practicals in computer lab

**LEADERSHIP & ACTIVITIES**

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Tri-Alpha First Generation students Honor Society

Seattle, WA

**Vice President**

**February 2021 – Present**

- Part of chapter inaugural leadership team at Seattle University and first chapter in Washington
- Collaborate with Tri-Alpha leadership team and chapter advisors to build an inclusive environment for first-generation students

Seattle University (SU) Admissions

Seattle, WA

**Redhawk Transfer Ambassador**

**September 2019 – Present**

- Represent SU to prospective transfer students by responding to emails and assisting with admission events
- Work independently and in a team to assist with recruitment efforts, marketing campaigns and campus events

Alfie Scholars Program ([alfiescholars.org](http://alfiescholars.org)), Seattle University

Seattle, WA

**Alfie Scholar**

**June 2019 – Present**

- One of 10 transfer students selected for the highly competitive 2019-21 program focused on social change, problem-solving, leadership and critical thinking
- Research, write about and discuss social justice issues and ways to promote civility

African Youth Coalition (AYC)

Seattle, WA

**Social Media Coordinator**

**April 2019 – March 2020**

- Engaged with African students and professionals in Seattle committed to building a sustainable future for Africa

The Foundation for Tomorrow (TFFT)

Arusha, Tanzania & Seattle, WA

**Ambassador**

**2016 – 2020**

- Raised charitable funds and spread philanthropic message for NGO focused on educating vulnerable children in Tanzania (one of 15 ambassadors in U.S. during 2018, 2019 and 2020 outreach campaigns)
- Conducted research in Tanzanian public schools on children's rights, safety, and well-being as part of TFFT's efforts to advocate for at-risk youth with government, schools, and families (spring 2016)

African Students Association at Seattle Central

Seattle, WA

**Vice President**

**March 2018 – March 2019**

- Co-chaired weekly officer and general member meetings
- Led discussions of topical issues affecting the African continent
- Planned and organized regular cultural and social events