

# PAPA YAW AGYEMAN-MANU | Full Stack Software Engineer

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## Work Experience

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### Brigham Young University, Online Academic Support

January 2023 - Present

#### Web Frontend Development - Online Teaching Assistant

Rexburg, ID

- Tutored 10+ online students weekly on basic web front-end development techniques and concepts, utilizing interactive coding exercises and real-time feedback.
- Partnered with course instructors to help students grasp front-end concepts, leading to a 20% increase in assignment completion rates.
- Graded 25+ assignments and projects weekly and gave constructive feedback that improved students grades by a 15% average.

### KORE Power, Inc

July 2023 - December 2023

#### Software Developer Intern

Coeur D'Alene, ID

- Revamped and modularized internal website codebase, using react components, increasing component reusability by 40%, streamlining development processes and reducing redundancy.
- Created an educational platform web app using React and Node.JS to educate all new employees with quizzes, literature, and videos improving onboarding process.
- Enhanced operational efficiency by 30% through user-friendly design elements and intuitive navigation features using React and Tailwind CSS.

## Skills

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- Languages: Python, JavaScript, Typescript, C#, C++.
- Web Technologies: HTML, CSS, Tailwind CSS, React JS, Next.js, Node.js, RESTful API.
- Databases Technologies: MySQL, PostgreSQL, NoSQL, Prisma ORM, Supabase, MongoDB.
- Version Control and Hosting: GitHub, Vercel, Planet Scale.

## Projects

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- Built a full-stack wedding website leveraging Typescript, React and Next.js to provide information for guests and report attendance numbers, address information, and feedback.
- Engineered a scalable Student Database program using Python Pyrebase with Firestore Database, enabling CRUD operations.
- Developed a proof-of-concept learning management software (LMS) using Typescript React and Next.js equipped with teacher and student modes, videos, and quizzes.
- Led a collaborative 4-man team effort to develop a flashcard web app integrated with MongoDB, fostering efficient teamwork and coordinating seamless data input and retrieval processes.

## Education

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### Brigham Young University - Idaho

April 2020 - December 2024

#### Bachelor of Science, Software Engineering

Rexburg, ID

- Focus - Full-Stack Software Development, Computer Programming, Software Design.
- Honors - Thomas E. Ricks Academic Scholarship (Merit-based).