

# Michael Osei

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## EDUCATION

**WPI FOISIE BUSINESS SCHOOL**  
Master of Science - User Experience  
May 2022 | GPA 4.0 | Worcester, MA

**WORCESTER POLYTECHNIC INSTITUTE**  
Bachelors of Science - Computer Science  
May 2022 | GPA 3.5 | Worcester, MA

## SKILLS

### TECHNICAL SKILLS

ReactJS • TypeScript • NextJs • Python  
• iOS Development (Swift) • Android Development (Java) • MongoDB (NoSQL) • SQL • NodeJS • ToneJS • Stripe • AWS Lightsail • AWS S3 • Git • Jira Cloud Management • Vercel • Agile (Scrum)

### DESIGN SKILLS

Figma • Storybook • ChakraUI • TailwindUI • Sketch • Adobe Creative Suite • Canva • Photoshop

## VOLUNTEER

**Graduate Research Assistant**  
Lead Software Engineer in the User Experience & Decision Making Lab at WPI.

### Pianist

Self-taught Pianist. Volunteer for various churches in Boston MA, Worcester MA, and Providence RI.

### Freelance Designer

Event marketing program designer. Volunteer services matured into paid assignments for clients in the Northeast, Ghana, and Canada.

## WORK EXPERIENCE

**YousicPlay | Lead Software Engineer**  
September 2022 - Present | Boston, MA

Worked with Grammy-nominated musicians to create interactive music courses. Led Yousicplay to launch their first edTech platform and created a video platform for their courses. Developed automated music transcription. Led the development of web-based performance feedback for e-learners. Integrated Jira and AWS for the company.

**Paperless Parts | Full-Stack Software Engineer**  
May- September 2022 | Boston, MA

Created, maintained, and developed new search and manufacturing components for the component library. Migrated older frontend components to Typescript. Leveraged: Typescript, Redux, Reactjs, Python, Docker, Git, Chakra UI

**Dell Technologies | User Experience Engineer**  
Summer Intern | May- August 2021 | Hopkinton, MA

Developed, designed and deployed a forecasting calculator (full-stack web application) to allow the serviceability organization to automate and prioritize internal and outbound tasks, which optimized for maximum profit. Leveraged: Reactjs, Python, Docker, Git, Figma

**Dell Technologies | Serviceability Engineer**  
Summer Intern | May- August 2020 | Hopkinton, MA

Created scripts to automate workflows in their product management software. I conducted internal usability interviews and established UX documentation which enhanced organizational efficiency and alignment across Engineering and Product Management. Leveraged: Jira, Figma, Python

## TECHNICAL PROJECTS

**Quartal | Automated Music Transcription | 2018-2022**  
Asset Acquisition at YousicPlay. Created a SAAS application that transcribed any song or video and taught it on piano.

**Twí SDA Hymnal | 2017-Present**

First Twí translation of 800+ hymnal songs on the Apple Store. 10k weekly visitors. 500,000+ visitors over the last 5 years. Utilized and localize in 20+ countries.