

Chloe Ong

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Experience

JP Morgan Chase & Co. And Wiley Edge / Software Engineer / Oct. 2022 - July 2023

- Developer on internal **React/Java** software used across the firm, which provided over 35,000+ monthly users with a market intelligence directory for current and potential clients
- Sole developer for **Material UI** slider component responsible for sorting market data and helped implement **Matomo** analytics tracking code for **React** components
- Empowered users/investment bankers through participation of weekly interviews, took in feedback, and suggested fixes dependent on how they parsed through the website

Projects

"Stryde" Gait Measurement and Tracker App / Biomedical Engineer / Stony Brook University

- Graduate-level biomedical software development project that explored **Swift** medical app building for human gait measurement
- Created **UI/UX** designs for the iOS and web development teams, and focused on app accessibility for elderly users
- Produced a functional, early-access iOS app

Factors Affecting Microcalcification Detection of Wide Angle Digital Breast Tomosynthesis (DBT) and Strategies for Improving Performance / Biomedical Engineer / Stony Brook University

- Medical physics research that improved breast cancer detection and patient safety
- Created **MATLAB** code to improve data distribution amongst previously unsorted trials, ran simulated DBT trials, and worked as a user to determine calcification conspicuity
- Research proved that a wide-angle DBT has potential in microcalcification determination
- Credited as a co-author for its publication

Skills

Languages: HTML/CSS/JavaScript, Java, Python, Swift, MATLAB

Libraries and Frameworks: Node.js, React, Redux, Jest, Material UI, MongoDB, AWS

Tools: Agile, Visual Studio, Git, Matomo, Jira, Jules, AutoCAD Inventor

Education

Stony Brook University - Dec. 2020

Master's in Biomedical Engineering, focus on Medical Physics

Adelphi University - Aug. 2019

Bachelor's in Physics, Departmental Honors