

Sheila Soh Li En

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Singaporean | Internship Availability: Jan to Aug 2026 (Available to extend after)

Creative and analytical Fintech undergraduate with a strong foundation in UI/UX design, product development, and data-driven thinking. Experienced in contributing to finance, health, and public sector projects, I bring a keen eye for usability, a rigorous approach to wireframing and prototyping, and a passion for shaping intuitive AI-driven interfaces. Seeking to support Splore's mission of empowering enterprises with generative AI through user-centered design and agile collaboration.

EDUCATION

Singapore Institute of Technology **Aug 2023 – Oct 2026 (Expected) | GPA: 3.64**

- Bachelor of Science (Hons), Applied Computing (Fintech), Year 2

Nanyang Polytechnic **Apr 2020 – May 2023 | GPA: 3.65**

- Diploma in Engineering with Business (Mechanical Engineering track)
- Director's List (4 Semesters)

Christ Church Secondary School **Jan 2016 – Dec 2019 | GCE 'O' level**

- Top 3 in Cohort for Design & Technology (2016)
- School Councilor (2015–2019)

EMPLOYMENT HISTORY

Accenture – Application Developer Intern, CPF Build Team

May 2024 – Aug 2024

- Developed and maintained CPF systems using Java and Spring Framework, resolving 10+ production defects and improving system uptime by 12%.
- Automated integration testing via JUnit, increasing test coverage by 35%.
- Deployed builds with Jenkins CI/CD pipeline, ensuring weekly releases without rollback.
- Wrote PowerMockito-based unit tests with 100% coverage and handled batch job integrations using XML and JSL.

Monetary Authority of Singapore (MAS) – Product Launcher Intern

Sept 2022 – May 2023

- Designed user guides, FAQs, and visual aids that cut onboarding time by 30%.
- Supported UI/UX testing workshops and conducted feedback collection sessions.
- Worked closely with Agile teams, aligning product improvements with user needs.

TECHNICAL SKILLS

- Design Tools: Figma, AutoCAD, Canva

- Languages & Frameworks: Java, Python, JavaScript, Node.js, C, HTML/CSS, PHP
- Cloud & DevOps: AWS, Azure, Docker, Jenkins, Git, CI/CD pipelines
- Databases: PostgreSQL, MongoDB, Supabase, Firebase
- Data Tools: Scikit-learn, XGBoost, Pandas, NumPy, Dash, Plotly, Tableau
- Languages: English & Chinese (Fluent)

PROJECTS

PaperTrades – Cloud-Based Stock Trading Simulator

Node.js, MongoDB, Supabase, Docker, Azure, Flutter, Finnhub API

- Migrated to hybrid SQL+NoSQL database model to optimize performance and scalability.
- Refactored backend APIs to support real-time trading and user authentication across databases.
- Dockerized backend and deployed on Azure Web App.
- Integrated Flutter app frontend with real-time backend data sync.

Stock Recommendation – Machine Learning Model

Python, Balanced Random Forest, Bloomberg Excel

- Integrated Fundamental Analysis (FA), Technical Analysis (TA), and Analyst Recommendations (ANR) to generate Buy/Hold/Sell signals across six tech stocks.
- Developed a weighted ensemble model (FA: 45%, TA: 55%) achieving 92% precision and 79% F1-score.
- Identified high-impact features including Gross Profit, MACD, and Bollinger Bands.

Diabetes Risk Prediction System – Machine Learning Model

Python, XGBoost, LightGBM, SMOTE, Scikit-learn

- Engineered interaction terms, polynomial features, and a comorbidity score to capture non-linear relationships.
- Applied SMOTE and hybrid modeling to improve diabetic class recall from 49% to 82%.
- Tuned model with GridSearchCV, achieving 96.8% accuracy and 86.2% balanced accuracy.

Healthy Heroes – Java Educational Game

Java, libGDX, OOP, SOLID Design

- Built a 2D educational game with custom mechanics like Frenzy Mode and feedback system.
- Implemented Scene Management, Factory and Singleton patterns, and scoring systems.

UniMeet – Event Management Web App

HTML, CSS, JavaScript, PHP, Firebase, PHPMailer

- Built responsive web UI and Firebase-integrated backend with full CRUD support.
- Implemented real-time database syncing and PHPMailer-based email confirmations.
- Conducted accessibility audits via Axe DevTools and W3C compliance.

CO-CURRICULAR ACTIVITIES (CCA)

DanzInc Dance Club, Nanyang Polytechnic – President

2020 – 2022

- Led event planning, training, budgeting, and inter-CCA collaboration.

Modern Dance Club, Christ Church Secondary School – President

2016 – 2019

- Choreographed routines and led team practices.