

Education

The University of Hong Kong, *Bachelor of Engineering.*

*Major: Computer Science, Minor: Finance, Focus: Financial Computing.*

**Awards:** HKU Foundation Entrance Scholarship (Full Tuition).

**Roles:** Co-President UNICEF HKU, HKU Student Ambassador, HKU Equal Opportunity Ambassador.

**Highlight Courses:** DSA, Discrete Mathematics, Computer Organization, OOP & Java, Modern Technologies on World Wide Web, Artificial Intelligence: Utopia or Dystopia.

Hong Kong, SAR

Class of 2024.

Work Experience

GrinBean Limited, *Full Stack Developer.*

- Recreated the legacy UI system using Vue and subsequently enhanced UX through redesigning the dashboard using Chart.js for dataanalytics and visualisation.
- Seamlessly developed data pipeline for IoT device and server using Express.
- Contributed to the text-based data mining and information extraction to train and modify the data driven AI model to achieve greater efficiency.

HKU Business School, *Research Assistant.*

- Build a dataset of filings from the SEC Edgar database used in the project regarding Industrial Organization and Supple Chain Risk.
- Increased the speed of data extraction by 60% via implementing an algorithm that recognised the type of data required and instantly provided that for the project, saving multiple hours in the process.

QuokkaHR, *Software Developer.*

- Designed and developed features using React to show attempts of team members so they can analyse their weaknesses.
- Revamped the project page using React to aid project managers differentiate between completed and incomplete assignments.
- Wrote tests for authentication, authorisation, and performed UAT to optimise the performance of the existing platform.

Dec 2021 – Jan 2022.

Nov 2021 – Jan 2022.

Nov 2021 – Dec 2021.

Highlight Projects

See more at [Shoh4g.github.io](#)

EXIT-Finder, *a mobile app for the visually impaired community to help navigate their way in the MTR station.*

- Designed the front-end of the app using React Native Paper to enhance interactivity and optimised code base for greater efficiency.
- Implemented React Native async storage and expo speech to further make the app user friendly for the visually impaired.
- Collaborated with my team to implement an algorithm to traverse a map of an MTR Exits to find the shortest path using graph representation and concepts such as Breadth-First Search, Dijkstra's algorithm, and A-Star Search. [View the project.](#)

COVID-19 Stats Portal, *a platform showing real time Covid-19 statistics across the globe using graphs and maps.*

- Created using the open API disease.sh and made use of advanced React concepts such as React-leaflet.
- Revamped the platform using Chart.js and Material UI to enhance interactivity. [View the project.](#)

Crypto Verse, *A fully responsive and functional cryptocurrency tracker app.*

- Developed using React and instrumented advanced concepts such as React hooks, Material UI and Chart.js
- Integrated Context API to manage the state of the app and Coin Gecko API for the relevant data. [View the project.](#)

Sort-It, *A Sorting Visualiser.*

- Demonstrated with the aid of visualisation, how different Sorting Algorithms work behind the scenes. [View the project.](#)

Notable Awards and Certifications

HKU Foundation Scholarship, *Full Tuition.*

Scholarship covering Full Tuition for the entire study period.

HKU 3<sup>rd</sup> Engineering Inno-Show 2020, *Runner - Up.*

Developed an interactive game called Play2Study that uses gamification and is targeted towards HKDSE candidates. [Click here to learn more.](#)

JP Morgan Chase, *Finance for Non-Finance program.*

Selected among 45 individuals from APAC region to complete a 2-week Finance training program under the guidance of JP Morgan associates.

Finance Accelerator Simulation 2022, *AmplifyMe in partnership with Morgan Stanley.*

Ranked 2<sup>nd</sup> in the entire competition, plus developed a deeper understanding of the intricacies between the buy-side and the sell side.

GOLDMAN SACHS, *Engineering Virtual program.*

Used Kali Linux and Hash cat to crack a leaked password database which was using Secure Hash algorithm (SHA) and Message Digest (MD5).

JP MORGAN CHASE and CO, *Software Engineering Virtual Experience.*

Used React to create an interface with a stock price data feed and displayed data visually to traders.

Edexcel Higher Achiever’s Award, *Top 113 out of ~230,000 Students Nationwide.*

For outstanding academic achievement in A’ Level Examinations (4 A\*) and IGCSEs Examinations (7A\*).

Skills

Core:

Skills:

Python, JavaScript, Java, C/C++, Shell, Linux.

HTML5, CSS3, jQuery, React, React Native, Vue, Chart.js | Node.js & Express | MongoDB.