

# Peh Hoe Khim Marcus

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Portfolio: [marcuspeh.github.io](https://marcuspeh.github.io)

A self-motivated, hardworking undergraduate at National University of Singapore, majoring in Computer Science with a GPA of 4.72. Creative and strong problem-solving and analytical skills. Looking for software engineering internship from 9/1/23 - 6/5/23 (PT) and 7/5/23 - 8/8/23 (FT)

## EDUCATION

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<b>National University of Singapore (NUS)</b>	<b>Aug 2020 - Present</b>
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- Bachelor of Computing in Computer Science (Honors)
- Expected Date of Graduation: May 2024
- GPA: 4.72/5.00

<b>Serangoon Junior College (SRJC)</b>	<b>Jan 2016 - Dec 2017</b>
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- GCE A-Level Rank points: 83
- Awarded Edusave Award for Achievement, Good Leadership and Service
- Given SRJC Distinction Academic Award

## WORK AND INTERNSHIP EXPERIENCES

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<b>GovTech, Software Engineering Intern</b>	<b>May 2022 - Jul 2022</b>
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- Developed platform to crowdsource sentiments from members of public
- Improved security by implementing Two-Factor Authentication
- Speed up API response time under load to 0.5% of original time

<b>Reluvate Technologies, Software Engineering Intern</b>	<b>Nov 2021 - Jan 2022</b>
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- Established end to end web applications to house AI and Automation solutions
- Created backend APIs for a multi-national real-estate company
- Developed Optical Character Recognition (OCR) to process pdf

<b>NUS, Teaching Assistant</b>	<b>Jan 2021 - Present</b>
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- Took charge and led students towards active learning of Computer Science modules
- Mentored students by providing apt feedback to queries and assignments
- Conducted modules: CS1010X Programming Methodology I, CS2030S Programming Methodology II, CS2040S Data Structures and Algorithms

<b>Roboto Coding Academy, Coding Instructor</b>	<b>Jul 2020 - Present</b>
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- Administered coding lessons for kids from age of 5 to 15 to ignite interest in coding
- Curated curriculum in Python, Html etc.
- Taught in prestigious schools such as Victoria School and Chung Cheng High School

## PROJECTS

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<b>Markeet - Point of Sales (<a href="https://github.com/marcuspeh/markeet">github.com/marcuspeh/markeet</a>)</b>
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- Built a web-based Point-Of-Sales system to targets SMEs and customers in a team
- Constructed a 3-tier application (frontend, backend, database) with technologies such as *MongoDB*, *Express.js*, *React.js* and *Node.js* (*MERN*)
- Incorporated a telegram bot to queries from data base using *Python*

<b>Around the World in \$80 - Expense splitting (<a href="https://github.com/marcuspeh/Around_The_World_In_80">github.com/marcuspeh/Around_The_World_In_80</a>)</b>
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- Developed a brown field project with documentation in a team of 5
- Use various software design pattern such as "command pattern" and "model, view, controller"
- Programmed in *Java* using JavaFx Library

<b>2048 Solver (<a href="https://github.com/marcuspeh/2048solver">github.com/marcuspeh/2048solver</a>)</b>
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- Created a solver for 2048 game, utilizing Monte-Carlo algorithm
- Achieved an overall of 94% win rate
- Programmed in *Python*

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## CO\_CURRICULA EXPERIENCE

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### Student Councillor, Elected Councillor

Mar 2016 - Jun 2017

- Proposed ideas and raised concerns faced by student body in order to improve wellbeing of studying in school
- Coordinated events such as president's challenge and freshman orientation camp
- Organized engagement sessions to gather opinions and feedback from student body

### House Committee, House Captain

Jun 2016 - Jun 2017

- Initiated bonding 6 classes under my charge as well as preparing for inter-house events in order to win championship house title
- Headed a committee of over 60 to organize and prepare for orientation camp and open house, planned for logistics, manpower and publicity
- Facilitated inter-house bonding games and engagement sessions to increase student involvement and house pride

## ADDITIONAL INFORMATION

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- **Programming Languages:** Python, Java, C, C++, Dart, JavaScript, TypeScript
- **Libraries & Frameworks:** ReactJs, NextJs, Django, Flutter, Junit, Pandas, Tensorflow
- **Databases:** Postgres, SQLite, MongoDB
- **Tools:** Figma, Heroku, Unix, Git
- **Soft Skills:** Leadership, Problem Solving, Independent