

# Chua Shin Ying

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## Education

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**National University of Singapore (NUS)** (Aug 16 – Jul 20)

- Bachelor of Engineering (Civil Engineering) with Honours (Highest Distinction)
- Relevant coursework: Python Programming Methodology

**National University of Singapore (NUS)** (Dec 22 – Jan 23)

- Professional Certificate in Web and Mobile Application
- Courses: Web Development using React and Mobile Application Development using React Native

**DataCamp** (Jul 22)

- Professional Data Analyst

## Work Experience

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**C&S Engineer, CPG Consultants Pte Ltd** (Sept 21 – Present)

- Planned and designed civil & structural engineering works such as Aviation Park MRT Station
- Managed projects to meet time, cost and quality objectives
- Automated manual processes by developing excel spreadsheet for calculations using formulas, functions and conditional formatting
- Assisted in company's time logging web design and provided feedback on UI and UX

**C&S Engineer, Beca Carter Hollings & Ferner (S.E.Asia) Pte Ltd** (Jul 20 – Sept 21)

- Carried out structural analysis for projects such as Naiper MRT Station and Bird Park
- Coordinated with consultants and contractors to resolve clashing issues

## Projects

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**Built a Customer Relationship Management App using React**

- Created an App using JavaScript, HTML & CSS
- App is able to add, search, edit, delete customers and show a list of customers
- Applied component-based design and used props, events, and hooks in React

**Singapore Global Jam Game 2023 – GROOT: ROOTING THE TREASURE**

- Collaborated with creators to develop a game with Processing using Java
- Enables gamers to earn points by hovering mouse to collect treasures
- Challenges gamers with incremental game difficulty and obstacles
- Integrated audio in the game to enhance user experience

### **Office Supplies Case Study – Examining the popularity of products in each region**

- Conducted data analysis using Python (DataFrame, Seaborn, Pandas)
- Created different types of data visualization to support findings presented
- Identified trends and provided solutions to tackle business problem regarding unsold products
- Presented technical data to non-technical representative i.e. Head of Sales

### **Skills**

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#### Proficient in:

- Python
- SQL
- Project Management

#### Familiar with:

- React Web
- JavaScript, HTML & CSS
- Java

### **Awards**

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- Recipient of Yongnam Medal and Prize – Top Student in Structural Steel module
- Recipient of SSSS Book Prize – Third place for steel design project
- Dean’s List for meritorious academic achievement, AY19/20 Sem 1 & AY18/19 Sem 1