

# FOO Wenlin Carolyn

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## Objective

To develop elegant mobile solutions that generates opportunities and make life easier for users. Seeking a quality-driven environment where employees are encouraged to explore innovative solutions and solving problems they care about.

## Education

### National University of Singapore

2009 – 2014

- Double Degree in Bachelor of Computer Science (BComp - Computer Science) & Bachelor of Science (BSc - Applied Mathematics)
- GPA : 4.53 / 5.00
- Obtained Dean's List (BComp) in AY2010/11 Semester 1.
- Selected Courses: Design and Analysis of Algorithms (A-), Software Engineering on Modern Application Platforms (A), Software Engineering (A), Database Systems (A)

## Experience

### Zukami Pte Ltd

30 June 2014 – Present

#### Lead iOS Software Engineer

- Developed the in-house [Point of Sales \(POS\)](#) from scratch in 6 engineer-months.
- Modularised the project into logical components to coordinate parallel development with teammate.
- Analysed the delay for the auto promotion calculation and enhanced performance time by caching the calculations and guiding the teammate through the process.
- Reduced code complexity and maintained UX consistency by encapsulating highly reused components into libraries. Examples include modularised alert form widget, selection popup list.
- Designed the database structure and API requirements to facilitate communications between different applications in the solution suite.
- Modified legacy project to include system integration with [EpiCentre](#) for membership module and integrated sales items with modifiers and respective price tiers in 3 months.
- Developed a delivery order dispatch app for Boon Tong Kee, including order creating, tracking and dispatch to multiple outlets.

### VSee (Internship)

June 2012 – Dec 2013

#### Software Engineer

- Implemented [APIs](#) using Grails resulting in thousands of API calls a week.
- Developed content management system for the API that was implemented, intended for both clients and internal use. Included features like self updating API verification and documentation, live testing for API construction and detailed statistics on API usage.
- Optimised the JavaScript and CSS for website resulting in an improvement in user experience and increased in unique visitors by 28%.
- Implemented internal usage statistics dashboard to monitor user retention rates.

### Tenza Izakaya Interactive Menu

April 2012 – July 2012

#### iOS Software Engineer

- Developed interactive iPad menu for the restaurant in 6 weeks.
- Deployed app on all of the restaurant's iPads and pushed to AppStore.
- Conducted user case studies to improve on the user experience and design of the menu.
- Improved ease of placing orders from different menu categories by implementing the order functionality.

## Software Development Proficiency

### Familiar with:

Objective C, git, MySQL

### Prior experience:

C, C++, Java, Scheme, HTML, CSS, JavaScript, PHP, python, grails, postgresSQL, Ruby