

# Kai Yuan Neo

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## Work Experience

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**Founder & CEO** | Rocket Academy | Singapore

Oct 2019 – Present

- Built a 6-month, hired-or-refunded online coding bootcamp with graduates at GovTech, Xfers, and Glints
- Trained over 60 students in job-relevant algorithms, frontend, backend, and cloud infrastructure concepts
- Hired and co-developed bootcamp curriculum with former Lead Instructor at General Assembly Singapore

**Engineering Manager** | Dana Cita | Jakarta, Indonesia

Sep 2018 – Apr 2019

- Built and oversaw launch of Dana Cita's digital loan application process and loan management system
- Recruited and managed team of 8 software engineers, UX designers and product managers
- Organised weekly lunch roulettes and monthly company-wide outings to build camaraderie

**Co-Founder & CTO** | Project We Forgot | Singapore

Feb 2017 – Aug 2018

- Launched and grew PWF's dementia community forum to 150 family caregivers across Singapore
- Designed and developed PWF's dementia product/service reviews site and concierge chatbot
- Co-led Project We Forgot to reach finals of Singtel Future Makers and Modern Aging startup competitions

**Software Engineer** | Nuna | San Francisco, USA

Aug 2015 – Feb 2017

- Implemented HIPAA compliance by refactoring Nuna's data pipeline infrastructure in AWS
- Reduced data processing time by 3x by migrating Nuna's data pipeline to a custom ETL system
- Fixed over 10 security vulnerabilities in Nuna's client application as exposed by security audit

**Teaching Assistant** | CS 110: Principles of Computer Systems | Stanford, USA

Sep 2014 – Jun 2015

- Helped teach and grade a core-curriculum CS course taught by Jerry Cain with over 200 students
- Hosted weekly office hours teaching topics such as file systems, concurrency, and computer networking

**Software Engineering Intern** | Facebook | New York, USA

Jun 2014 – Sep 2014

- Prototyped nested commenting to streamline discussion on Facebook for iOS
- Committed over 3000 lines of code in Objective-C and C++ across Facebook's mobile infrastructure

**Software Engineering Intern** | Facebook | Menlo Park, USA

Jul 2013 – Sep 2013

- Built a simulator to test efficiency of HHVM, Facebook's virtual machine for executing PHP programs
- Improved testing latency by 6x by streamlining request simulation, data recording, and result aggregation

## Education

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**Stanford University** | Stanford, USA

- Master of Science in Computer Science (Artificial Intelligence) Sep 2013 – Jun 2015
- Bachelor of Science in Computer Science (Human-Computer Interaction) Sep 2010 – Jun 2014
  - Elected to Phi Beta Kappa academic honour society for performing in top 10% of graduating class

## Miscellaneous

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**Languages:** Fluent in English, Mandarin; proficient in Indonesian, Cantonese, German

**Awards:** Competent Communicator, Toastmasters; Platoon Best and Best Fitness, Officer Cadet School

**Interests & Fun Facts:** Guitar, swimming, public speaking, international relations, economic development

- Volunteered at monthly events for stroke survivors with Singapore's National Stroke Association in 2017
- Served as an infantry recce platoon commander in the Singapore Army from 2009-10
- Played drums in a rock band signed to Sony Music Japan from 2005-2008