

NIU YUNPENG

 [linkedin.com/in/yunpeng-niu/en](https://www.linkedin.com/in/yunpeng-niu/en)
 (+65) 8504 2845
 niuyunpeng@u.nus.edu

Education

Singapore	National University of Singapore	August 2016 – May 2020
<ul style="list-style-type: none">• Bachelor of Engineering (Honors) in <i>Computer Engineering</i>• Latest CAP (GPA): 4.95 out of 5		

Experiences

Software Engineer	Hello Technology Pte Ltd	May 2018 – Present
<ul style="list-style-type: none">• Built a single sign-on (SSO) system and deployed in a clustered environment with load balancer (AWS).• Used a Redis cluster (master-slave model) as LFU cache for efficient lookup among multiple LDAP servers.• <i>Java, Redis, LDAP, Tomcat</i>		

Tutor	National University of Singapore	August 2017 – Present
<ul style="list-style-type: none">• Taught different programming methodology and software engineering modules multiple times• Trained junior tutors, conducted workshops, led tutorial groups, set up assignments, graded examinations• Received outstanding teaching feedback score: 4.9 out of 5 (<i>department average: 4.2</i>)		

Full-stack Developer	Computing for Voluntary Welfare Organizations	May – August 2017
<ul style="list-style-type: none">• Developed a web-based enterprise management system for Lions Befrienders (Singapore)• Worked on a case management module that controls status changes of all users in the system• Conducted on-site user interviews to better understand and cater the requirements• <i>Ruby on Rails, PostgreSQL, Bootstrap, HTML</i>		

Projects

Ding!	March – May 2018
<ul style="list-style-type: none">• Built two iOS apps (one for customers, one for restaurant owners) for food recommendation & ordering.• Designed a simple ORM driver for mapping between Firebase database nodes and Swift runtime objects.• <i>Swift, Firebase (NoSQL)</i>	

BoNUS	September – November 2017
<ul style="list-style-type: none">• Developed a desktop Java application that helps users manage their contacts and upcoming events• Team lead, responsible for team coordination, automatic CI and code review• Implemented a feature that allows users to create and store customize fields for their contacts• <i>Java, JavaFX</i>	

An immersive 3D education platform	December 2016 – April 2017
<ul style="list-style-type: none">• Built a 3D game to help students understand algorithms by simulating and visualizing their programs• Chief programmer, in charge of logic & API for visualization• Already used at NUS for introductory programming modules• <i>Unity3D game engine (C#, JavaScript)</i>	

Awards

Dean's List (received <u>twice</u>)	January & June 2018
<ul style="list-style-type: none">• A reward in recognition of outstanding achievements for top 5% students of the cohort	
NUS Science & Technology Undergraduate Scholarship	August 2016
<ul style="list-style-type: none">• A four-year full scholarship to support outstanding students at NUS	