



# Kerry Eer

FINAL YEAR COMPUTER SCIENCE UNDERGRADUATE

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## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

*BComp (Hons) in Computer Science*

Aug 2017 - May 2021

- NUS Merit Scholarship Recipient
- CAP: 4.78/5.0 (*Expected First Class*)
- Specialisations:
  - Security (*Distinction*)
  - Software Engineering (*on track*)
  - Database (*on track*)
- NUS Computing Club 20<sup>th</sup> MC Community Service Cell Member

### HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

*International Summer Exchange 2019*

- CGA: 3.85/4.0
- Database Systems, e-Business Management & Web Analytics

### TEMASEK JUNIOR COLLEGE

*GCE A-Levels 2013 - 2016*

- Rank Point: 87.5/90
- Vice-President of Guitar Ensemble
- IP Overall Best Student
- YDSP Academic Award (Maths)
- Edusave Character Award

## COURSEWORK

### UNDERGRADUATE

- Programming Methodology
- Data Structures & Algorithms
- Database Systems Implementation
- Computer Organization
- Operating Systems
- Computer Networks
- Software Engineering
- Artificial Intelligence
- Machine Learning
- Information & Computer security

## SKILLS

### LANGUAGES

Java • C • Python • SQL • JavaScript  
HTML/CSS

### TOOLS

Git • Unix • React • Meteor • Node.js  
JUnit • Wireshark • Spring Boot • LaTeX  
AWS S3, Lambda, Cloudfront

## EXPERIENCE

### GOOGLE – SOFTWARE PRODUCT SPRINT

*Participant*

*May - Aug 2020*

- Developed industry-aligned SWE skills and received code reviews from Googlers throughout this intensive invite-only program
- Collaborated in a team to design and implement an online multiplayer game using Socket.io, React and Node.js

### GOVTECH

*Software Engineer Intern*

*May - July 2020*

- Developed and deployed features on Whole-of-Government Application Analytics (WOGAA), providing real-time performance monitoring of >1000 government sites
- Migrated part of platform infrastructure over to Government Commercial Cloud Service platform using AWS S3, Lambda and Cloudfront

### SHOPEE

*Product Management Intern*

*Feb - Apr 2020*

- Wrote SQL queries doing complex manipulations on large datasets, for analysis of A/B test results to verify Search feature's performance and plan its roadmap
- Increased coverage of users' keywords of the project by at least 53%

### VOUCH SG

*Account Manager / Developer Intern*

*Dec 2019 - Jan 2020*

- Built a full-fledged chatbot for claims management which Vouch now uses internally
- Refined Singapore Zoo's chatbot wayfinding features and did extensive testing

### NATIONAL UNIVERSITY OF SINGAPORE

*Teaching Assistant*

*CS1010 Programming Methodology:*

*Aug - Dec 2018*

- Taught important programming concepts and good practices in C
- Conducted weekly tutorial sessions and graded assignments of 12 students

*CP2106 Software Development Project:*

*May - Aug 2019*

- Provided materials, guided and evaluated 5 teams building web/mobile apps
- Won the Best Adviser Award among 50+ other advisers

## PROJECTS

### SAVEMYCAP

*Co-creator*

*May - Sep 2018*

- Built a minimalist web app for students to set target grades and track results
- Self-learned HTML, CSS, Meteor, Node.js and MongoDB

### KNOW-IT-ALL

*Team Member*

*Feb - Apr 2019*

- Morphed a CLI addressbook into a flashcard management app for medical students to organise and share their learning material
- Implemented using Java and JavaFX, participated in distributed development and applied SWE principles and patterns throughout [project portfolio]

### SOFTWARE DEFINED RADIO LEAKS

*Team Member*

*Sep - Nov 2019*

- Utilised SDR to sniff wireless transmissions from a keyboard to a computer
- Awarded 1st Prize in NUS School of Computing 15<sup>th</sup> STEPS-Computer Security