

# RESUME

Wang Jiefan

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## EDUCATION

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### NUS High School of Mathematics and Science

2013-2018

- Diploma w/ High Distinction
- Honours in Computing Studies. Majors in Mathematics, Physics and Chemistry.
- Graduation Cumulative Average Point: 4.5
- Extracurricular Involvement
  - Debate and Oratorical Society, Executive Council (2016), Member (2013-2018)
  - Appventure (Computing Studies Interest Group), Member (2018)

### National University of Singapore

2020-(Ongoing)

- Bachelor of Computing Computer Science (Sophomore)
- Cumulative Average Point: 4.1
- Extracurricular Involvement
  - NUS GDG (Games Development Group) Member (2020-Ongoing)

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## STACK & EXPERIENCE

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- Proficiencies:

◦ C++	(3 years)	▪ Pytorch	(2 years)
◦ Java	(6 years)	▪ PwnTools	(1 year)
◦ Javascript	(6 years)	◦ Android SDK	(1 year)
▪ ReactJS	(3 years)	◦ GIMP	(2 years)
▪ VueJS	(1 year)	◦ Blender	(2 years)
◦ CSS	(6 years)	◦ DaVinci Resolve	(3 years)
◦ Python	(5 years)	◦ PostgreSQL	(2 years)
- Fluent in English, conversant in Chinese

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## PROJECTS AND CONTRIBUTIONS

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### Knuckleclone (2022)

- Personal Project (300 hours)
- Web-based adaptation of the dice minigame from Cult of the Lamb (2022)  
<https://github.com/Nafeij/kbclone>

### Paper: Towards 3D Image Analysis of Multicellular Tumor Spheroids (2018)

- Group Project (3 members)
- Computationally Modelling Extracting features of imaged cross-sections of MCTS to correlate to drug response.
- Singapore Science and Engineering Fair (SSEF) 2012 – Bronze award  
[https://drive.google.com/file/d/1mYW7v9tuhdy4PRyHg\\_-yzCw\\_zE6vh2Ie/view?usp=sharing](https://drive.google.com/file/d/1mYW7v9tuhdy4PRyHg_-yzCw_zE6vh2Ie/view?usp=sharing)

### EMButton (2016 - 2017)

- Group Project (2 members)

- An Android app-based SOS panic button that sends a custom GPS-tagged text message to emergency services.  
<https://github.com/RuerainElonwyn/embutton>

### **Banner Saga Web Map (2018 - Present)**

- Personal Project (100 hours)
- Web version of map of The Banner Saga video game, using React.js  
<https://nafeij.github.io/react-map/>

### **Video Game Mods (Various)**

I reverse-engineer, modify and bug-fix video games in my spare time.

- The Banner Saga (2018 – 2020)  
- <https://www.nexusmods.com/thebannersaga/mods/1>
- Journey (2020 – Present)  
- <https://www.nexusmods.com/journey/mods/1/>
- War on the Sea (2021 – Present)  
- <https://steamcommunity.com/app/1280780/discussions/3/5671690972174045737/>

Other Projects (Pytorch, CSS and React.js): <https://github.com/Nafeij>

I also volunteer as a SmartNation Ambassador and Meals on Wheels partner at [volunteer.gov.sg](http://volunteer.gov.sg)

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## **AWARDS**

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### **National Infocomm Competition 2016**

*Second Place, Most Innovative*

Nanyang Polytechnic, Ang Mo Kio

### **SiTF Awards 2016**

*Best Innovative ICM Student Project (Finalist)*

MediaCorp Centre, Commonwealth

### **Canadian Computing Competition (Senior)**

*Distinction*

University of Waterloo, Ontario

### **DSO STAR Award**

NUS High School of Mathematics and Science, Clementi

### **Singapore Pre-University Seminar 2017**

*Participation (Team Leader)*

### **Code::XtremeApps:: Competition 2016**

*Open Category (Participation)*