Ng Xin Ler

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- **Portfolio:** https://sherlynng.github.io/portfolio/home.html

EDUCATION

National University of Singapore   Aug 16 – Present
- Pursuing a Bachelor of Computing (Honours) in Computer Science
- Prospective Focus Areas: Computer Graphics and Games, Software Engineering
- Dean's List for Academic Year 2017/2018 Semester 1
- Cumulative Average Point: 4.71/5.0 (First Class Honours)
- Expected Date of Graduation: May 20

INTERNSHIP EXPERIENCE

Two App Studio Pte. Ltd.   14 May 18 – 3 Aug 18
- Worked for 3 months as an **Android and Web developer** for JotterPad Android and JotterPad desktop on macOS.
- Created new features for JotterPad Android using **Android Studio**
  - ❖ Importing FDX and RTF files and converting them to Fountain and Markdown syntax
  - ❖ Created new syntax -- dual element syntax, which allows scriptwriters to format scenes that happen concurrently
- Created a prototype for JotterPad desktop on macOS using **XCode**

PROGRAMMING EXPERIENCE/PROJECTS

What's Up!   May 17 – Aug 17
Mobile Game Application
- Developed an Android mobile game as part of NUS Orbital 2017, an independent software development project taking place over the summer break.
- A single/multiplayer game adapted from 'Seven-Up' team game, with 5 difficulty levels and 3 multiplayer modes.
- Written in **Java**, using **Android Studio** and **Android API**. Used **Firebase** for backend and real-time multiplayer game synchronization.
- Worked in a team of 2, as a full stack developer.

Itadakimasu~   Jan 18
Telegram Bot
- Participated in a 24-hour hackathon, Hack n' Roll 2018, organized by NUS Hackers'.
- Developed a Random Food Generator, where users can input the name of a canteen in NUS and the bot will reply with a random meal recommendation.
- Written in **Java**, using **Telegram API**.
- Worked in a team of 2, focusing more on backend.

Teeny Tiny   Feb 18 – Apr 18
Multiplayer 3D Action Platformer on PC
- A multiplayer competitive scavenger hunt game, developing using **Unreal Engine 4**, in team of 6 members.
- Players are placed in a scaled-up environment and would need to balance between finding for items and hindering their opponents to win the game.
- Worked on scoring system, including item depositing at designated areas and scoreboard.

STUtor   Feb 18 – Apr 18
Desktop Application
- Modified an Address Book application, as part of CS2103T Software Engineering module, into a desktop application tailored for tuition coordinators to easily match and manage a database of tutors and students.
- Written in **Java** and working in team of 4 members.
- Worked on Remark, Rating and Autofill features in STUtor.

SKILLS/ACHIEVEMENTS

- **Code:** Java, C, HTML, CSS3, JavaScript, jQuery, jSoup, Bootstrap, Unreal Engine 4, OpenGL
- **Design:** Basic in Adobe Photoshop, Adobe Premiere Pro
- **Wireframe:** Balsamiq Mockups
- **Platform:** Firebase, Android Studio, Xcode
- **Tools:** Gradle, Maven, Travis CI
- **Music:** LMMS, Audacity
- **Language:** Fluent in English and Mandarin; Basic Japanese (Japanese-Language Proficiency Test – N4)

- Won First Prize for the 6th Chinese-Bridge Chinese Proficiency Competition in Singapore in 2013. Represented Singapore and won 3rd Group Prize in Yunnan, China at the International level.
- Won the Silver Award in the 15th Singapore Science and Engineering Fair, in a team of 3 members.
- Won 2nd Prize for the National Chinese Music Competition, Zhongruan Open Category in 2012.
- Straight Distinctions (from Primary to Grade 8, Intermediate Foundation, Intermediate) for Classical Ballet Examinations organized by the Royal Academy of Dance.

LEADERSHIP EXPERIENCE

Dunman High School Chinese Orchestra   Jan 12 – Dec 15

Executive Committee Member
- Junior High – Vice-chairperson
- Senior High – Treasurer
- Overseas Learning Journey – Vice Team Leader

REFERENCES

Two App Studio Pte. Ltd.
- Report: https://drive.google.com/file/d/1KeW2Ee4a6HeVMWqDFYSYnE5SwY4sal_x/view?usp=sharing

What's Up!
- README: https://drive.google.com/file/d/1mgq-pUCS5xTMZzlRcq4y0oUm4sOYE0gm/view?usp=sharing
- Video: https://drive.google.com/file/d/1L7x9tOfMqbI33VZDWF9fpu5lF2cjEQSk/view

Itadakimasu~
- README: https://devpost.com/software/itadakimasu

Teeny Tiny
- Poster & Video: http://isteps.comp.nus.edu.sg/event/12th-steps/module/CS3247/project/6

STUtor
- GitHub Repo: https://github.com/CS2103JAN2018-W11-B1/main