

Jermaine Cheng

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JOBS

Software Engineer, Apple

Oct '16 to Jun '18

Using Xcode, React, Redux, PostgreSQL, Linux, Affinity Suite

- Designed and developed a full stack alerting system for server hardware failures based on SMC data.
- Designed and developed the UI and UX of Apple's internal REST API documentation platform.
- Designed and developed 6 iOS applications for researching interpolated nearest neighbor location positioning with BLE technology.
- Designed and developed an event tracing platform for server status changes and configurations.
- Designed and developed a framework to orchestrate remote device network testing.
- Designed and prototyped a full stack pipeline to securely deliver and store secrets to iOS devices.
- Conducted user experience testing to benchmark Apple's internal file sharing systems in APAC.

INTERNSHIPS

Game Design Intern, SUTD Gamelab

May '14 to Aug '14

Using Unity3D, WWise, Garageband, Adobe Photoshop

- Designed, developed and integrated user interfaces, game levels, mechanics, storyboards, animations, art and sound with Unity3D.
- Tested game mechanics through paper prototyping and white-boarding.
- Shipped a proved game prototype with macOS and Windows compatibility.
- Produced 5 functioning game prototypes with a team of 7.

IS&T Intern, Apple

May '15 to Aug '15

Using Unity3D, Xcode, Rhino, Adobe Photoshop

- Designed and developed 3 iOS applications incorporating ideas using augmented reality via Vuforia to enhance the Apple experience.
- Evaluated and presented project implementation roadmap to Apple's CIO, Niall O'Connor, to incorporate augmented reality for Apple's online and retail stores.

EDUCATION

Singapore University of Technology and Design

May '13 to Sept '16

- Bachelor of Engineering (Computer Engineering Major), Summa Cum Laude.

Exchange Program, Massachusetts Institute of Technology

Jan '15 to Feb '15

ADDITIONALS

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- Codes in Golang, Swift, Objective-C, C#, JavaScript, HTML, CSS, Python and Basic SQL.
 - Speaks English, Chinese and basic French.
 - Design Portfolio: <https://www.dropbox.com/s/fs001us8svqpwce/Design.zip?dl=0>

PUBLICATIONS

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- Y Sheng, JX Lee, JZM Cheng, MC Tan, "Facile Synthesis of Monodisperse Nanostructured Silver Micro-Colloids via Controlled Agglomeration and Coalescence," Journal of Nanoscience and Nanotechnology, 17:626 (2017).