

XIEN DONG WANG

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EDUCATION

National University of Singapore (NUS)

Bachelor of Computing (Honours) in Computer Science Singapore · May 2015 – Jan 2020

- **First Class Honours** with final GPA of **4.80/5.00**.
- **Dean's List** for Academic Year (AY) 2016/7 Semester 1 and 2.
- Recipient of Asia Fusion Technology Scholarship in 2017.
- Participated in the NUS Overseas College (NOC) entrepreneurship programme in San Francisco Bay Area in 2018.
- Studied in Stanford University Center for Professional Development in 2018.
- Publicity Director for faculty freshmen orientation camps and activities in 2016.

EXPERIENCE

Facebook

Software Engineer Intern

Menlo Park, CA, USA · May 2019 – Aug 2019

- Full-stack developer in Marketplace for three React Native projects that improve the shopping experience in the Facebook App.
- Worked with cross-functional teams while contributing to the backend, including the database indexing component.
- Fixed React-related test failure in Continuous Integration that prevented several developers from submitting their code.
- Conducted A/B testing for some of the marketplace features, examined the findings in detail and presented them to the team.

Fellow Robots

Software Engineer Intern

Burlingame, CA, USA · Jan 2018 – Dec 2018

- Main front-end developer for several new React.js – Django web applications for retailers and inventory scanning robots.
- Adapted existing applications to new retailers by integrating retailer flags into various components in the production code.
- Unified the log-in pages across the product line, and handled server-side authentication logic, including login rate limiter.
- Made use of Konva.js canvas library to implement tools for displaying and editing store maps with product locations.

PayPal

Software Engineer Intern

Singapore · May 2017 – Dec 2017

- Contributed to two Consumer Financial Services web applications based on Node.js, React.js and Kraken.js in a Scrum team.
- Integrated automation framework based on Nemo.js and Selenium web-driver into an application.
- Wrote extensive functional tests to cover different use cases and improve the robustness of the applications.
- Crafted the PayPal Innovation Lab official site powered by WordPress and exceeded the team's expectations.

Tinkertanker

Software Engineer Intern

Singapore · Dec 2016 – Jan 2017

- Derived a way to flash a firmware from an Android phone to a Micro:bit micro-controller using Bluetooth, saving the company from code licensing fees, and packaged it as a component in an Android application for educational usage.

NUS School of Computing

Teaching Assistant

Singapore · Aug 2016 – May 2019

- Taught Data Structures and Algorithms (CS2010) and graded several students in software engineering on iOS platform (CS3217).

PROJECTS AND HACKATHONS

Three Dee Face, 3D facial reconstruction

- Online method that uses a single-lens camera computed on low-powered Android phone.
- Obtained A+ grade for CP4101 Final Year Project.

Otter, Peer-to-peer bicycle sharing platform

- Incubated under NUS Enterprise and was awarded the NUS Computing VaSCo Award of S\$10 000.

Gladiolus, On-demand learning feedback mobile platform (React Native)

- Awarded the Venture Ideation Programme Grant of S\$10 000 by NUS Enterprise.

KODO, Chat-bot application for lonely people

- Won Third Place at BroncoHack 2018.

MEDGEL, Live patient recording and updating for paramedics and hospitals

- Won the "Best Emergency Medical Service App" at FirstNet Public Safety Hackathon 2018 by AT&T.

Jasmine, Fun games to learn Chinese on iPhone

- Designed a highly reusable and extensible view component in the iOS application that each of the three mini-games uses.
- Won the Second Prize in 10th NUS School of Computing Term Project Showcase.

Emoji Blast, Emoji bubble blast game on iPad

- Developed the game with a built-in level editor without using SpriteKit, third-party game engines or any external libraries.
- Placed on the Hall of Fame for the iOS module in NUS titled "Software Engineering on Modern Application Platforms".

Arrowed Me, Manage request and favours sent from your peers on Android

- Attained the highest level of achievement in the NUS Computing Orbital Programme.

SKILLS

Programming Languages

Proficient in Python, JavaScript and Java. Also worked with Swift, C++, C, Hack, PHP, Markdown, MATLAB and LATEX.

Frameworks and Libraries

Worked with React.js, React Native, GraphQL, Relay.js, iOS SDK, Django, Node.js, Android SDK, WordPress, Webpack, Selenium, Hugo, Nemo.js, Kraken.js and OpenGL.