

Calvin Tantio

119 Dover Road, Singapore 139656 • 8402 0996 • calvin.tantio@outlook.com • ct15.github.io

EXPERIENCE

Undergraduate Researcher – National University of Singapore, Singapore 06/19 – present
Research on feasible instructor re-intervention in Massive Open Online Courses discussion forums that promote student learning under National University of Singapore Web Information Retrieval / Natural Language Processing Group (*Python*)

Software Engineering Intern – Garena Online Pvt Ltd, Singapore 12/18 – 05/19
Developed a pipeline for client-side integration test automation for the iOS and QA teams • Built client-side mock HTTP and TCP servers to ease UI and Unit testing • Designed the mock HTTP server as a framework that can be used by other projects (*Swift, Objective-C*)

Software Engineering Tutor – National University of Singapore, Singapore 08/18 – 11/18
Taught Software Engineering principles and Object-Oriented Programming primarily in Java • Monitored students' coding exercises in the form of Pull Request review (*Java*)

Software Engineering Intern – Dyson Ltd, Singapore 05/18 – 07/18
Built a prototype for a new product idea on iOS and watchOS platform using MVVM architectural pattern • Taught myself Apple WatchConnectivity and CoreLocation frameworks • Spearheaded an Arduino workshop for Dyson employees (*Swift, Arduino / C*)

iOS Development Tutor – National University of Singapore, Singapore 05/18
Taught the basics of iOS programming through a 4-hour hands-on coding workshop • Taught MVC architectural pattern, CocoaPods and Firebase Real-time Database (*Swift*)

PROJECTS

Dance Moves Determiner (<https://tinyurl.com/ct15-dance>), 08/18 – 11/18
Developed an algorithm that uses supervised Machine Learning models and various motion sensors readings to determine dance moves (*Python – numpy, pandas, scikit-learn*)

WorkSauce (<https://tinyurl.com/ct15-work>), 08/18 – 11/18
Created an online platform that connects freelancers and taskers, similar to TaskRabbit, in a team of 4 (*PostgreSQL, Node.js, HTML / CSS / jQuery*)

Bubble Blast Saga (<https://tinyurl.com/ct15-bubble>), 01/18 – 02/18
Created a Bubble Mania clone from scratch, including the physics engine, level designer and 2D graphics renderer in 6 weeks • Taught myself iOS development, MVC architectural pattern and Protocol-Oriented Programming (*Swift, Firebase*)

EDUCATION

National University of Singapore, Singapore, 08/16 – 05/20 (expected)
B.Eng. in Computer Engineering, HONOURS

HONOURS & AWARDS

Best Project Award for NUS Hack & Roll • 3rd Prize and Most Practical Hack for NUS IEEE Hackathon • 1st prize for NUS SoC Term Project Showcase (Machine Learning Category) • NUS Orbital Best Advisor Award • Computer Engineering Dean's List AY 2017/2018 Semester 1 • ASEAN Undergraduate Scholarship • MOE School Based Scholarship