Tianyu Wang

A self-motivated full-stack developer and designer.
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EDUCATION

- **New York University** Brooklyn, NY
  Master of Science in Computer Science; GPA: 4.0 *Sep 2017 – Present*
  - Teaching assistant for class GY-CS-6233 Introduction to Operating Systems.

- **Nanjing University** Nanjing, China
  Bachelor of Engineering in Software Engineering; GPA: 3.42 (4.27/5.0); Ranking: 12/238 *Sep 2012 – June 2016*

EXPERIENCE

- **RavenTech** Beijing, China
  Growth Hacker *July 2016 - June 2017*
  - Participated in the "OK MAN" app to develop intelligent remote controller that supports voice and text inputs to control home appliances via Raven H-1.
  - Optimized UI for better user experience. Using UIBezierPath to flat a 3D object to 2D, also creating animations with Core Animation.
  - Implemented an encryption and checksum algorithm, allowing Raven H-1 to connect to the Internet via bluetooth.
  - Lead for an app named "inFlow", including creating Python tools for Weibo and news data crawling, extracting news sentiment using *Jieba* segmentation, as well as making sentiment analysis through NLP.
  - **Acquisition**: RavenTech has been acquired by Baidu in March, 2017, helping Baidu ramp up smart home efforts.

- **Kikbug Mobile Testing Platform** Nanjing, China
  Research Assistant, Supervised by Professor Zhenyu Chen *Sep 2015 - June 2016*
  - Responsible for the development iOS client app that supports assigning testing tasks, collecting testing results, and other management functions for crowdsourcing testing.
  - Wrote scripts to automate the analysis of test logs and app crashing.
  - Used iMobileDevice to distribute testing scripts and captured information of testing devices simultaneously.

- **Pudding Anime** Shanghai, China
  iOS Developer, Internship *Dec 2014 - Apr 2015*
  - Employed ReactiveCocoa and the MVVM design pattern to iOS app.
  - Worked on adapting Auto Layout to iPhone and iPad UIs.
  - Enhanced user experience on audio and video players. Allowing users to send *danmaku*s while playing.

PROJECTS

- **QReader**: A macOS app that can recognize QR code and bar code. Written with *totally* Swift.
- **One Clock**: Display elegant world clock in menu bar. Still work in progress and using Swift too.
- **Co!orMix**: A tiny but interesting game all about colors and your reflexes. Open-sourced at GitHub.
- **PerfectFreeze**: My GitHub lab, devoting on crafting useful frameworks on iOS/macOS.
- **36Kr Next**: The Chinese version of Product Hunt, providing latest products every day.

EX-CURRICULAR ACTIVITIES & AWARDS

- **Core Translator** at SwiftGG *Sep 2015 – Present*
- **Winner of Healthcare Track** at HackNYU 2018 *Mar 2018*
- **Graduate Student Scholarship** at New York University *Sep 2017*
- **3rd Prize** at i-Lab Shanghai Hackathon *Oct 2016*
- **Core Team Member** at LilyStudio *Mar 2013 – June 2016*
- **Lilith Scholarship** at Nanjing University *Sep 2015*

PROGRAMMING SKILLS

- **Languages**: Swift, Objective-C, Java, HTML/CSS, JavaScript, Python, SQL, C/C++